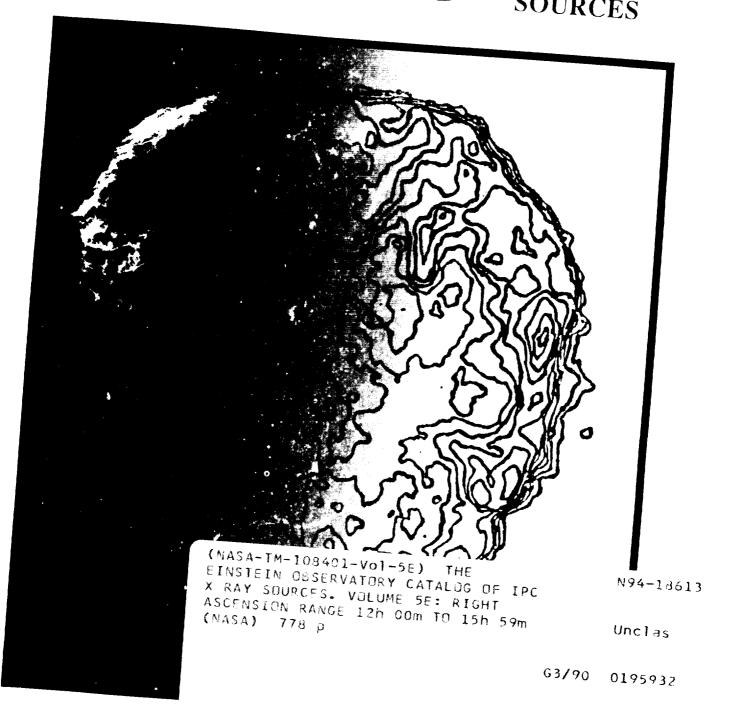
THE EINSTEIN OBSERVATORY CATALOG OF IPC X-RAY SOURCES



SMITHSONIAN ASTROPHYSICAL OBSERVATORY

[Relevant section numbers of Volume 1 are given in square brackets.]

- A) Sequence number of the observation. [5.0]
- B) Right ascension (1950) of the field center.
- C) First contour level (counts arcmin⁻²) and peak value. Successive contours increase by factors of 2. Negative contours are dotted. [4.5]
- D) Numbers of deep survey (DS) and bright Earth (BE) counts contained in the background map which has been subtracted from the data. [4.5]
- E) "Road-map" grid defining detector coordinates. These are required for estimating intensity upper limits. They are not present for observations which include data with "unstable" pointings. [4.6]
- F) Gray scale showing the relative exposure map (dominated by vignetting and the rib support shadows). [4.3]
- G) Intensity map, with detected sources indicated by field number and a cross (also listed in the table below the map). The map has had the background subtracted and has been corrected for vignetting. [4.1, 4.2] The coordinates of the map are R.A. and decl. (1950).
- H) Observation title from "Yellow Book" (Seward and Martenis 1986).
- I) Position of the field center in celestial (B1950 and J2000) and Galactic coordinates. [3.1]
- J) Other field data: start and stop dates [3.2]; live time [3.3]; roll angle of detector (clockwise from north; for zero degrees roll, detector letters are along the bottom of the road map) [3.4]; and the column density of neutral hydrogen in our Galaxy [3.5].
- K) Ref/ID flag: a nonblank entry indicates that a paper has been published on this field or on a source in the field. [3.6; Appendix I]
- L) Field flag [3.7]:
 - B: Background map suspect; may affect MDETECT
 - C: Combined fields: a merged map exists [Appendix J]
 - D: Deletion of one or more detections judged to be spurious [Appendix F]
 - G: Ghost image probably present
 - L: LDETECT only (MDETECT not run)
 - P: Particle-event contamination possible in background
 - S: Source has been missed by the detect algorithms [Appendix G]
 - T: Time correction redone to rectify erroneous dead-time calculation
- M) Catalog number and field number for the sources. An "L" following the field number indicates that the source was found by LDETECT only. [5.1, 5.2]
- N) Corrected count rate, as measured in a 2'4 box [5.4]. A preceding "*" warns that the intensity may be underestimated [5.8].
- O) Cell counts and the signal to noise ratio of the detection. [5.5, 5.6]
- P) SIZCOR, an intensity correction factor useful in estimating the intensity of extended sources, is the ratio of counts within the 3 σ (lowest) contour to the net cell counts (corrected for the point response function) [5.7]. RECO, the "rib and edge code," when nonzero, indicates that intensity measurements may be underestimated [5.8]. R' is the distance from the source to the field center in arcminutes.
- **Q)** Source flag [5.10]:
 - A: Additional detection(s) occurred in other field(s). [Appendix H]
 - a: Probably should be paired with another detection, but separation exceeded cutoff and thus not assigned an "A" flag.
 - E: Intensity corrected for source near the exposure cutoff at the field edge.
 - H: A hardness ratio is available [Appendix D]
 - I: Source detected by LDETECT near field edge. Intensity adjusted to remove redundant exposure correction.
- R) Ref/ID flag; see (K) above. [5.11]
- S) Volume number and page number

		<i>7</i>	
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N.			

THE EINSTEIN OBSERVATORY CATALOG OF IPC X-RAY SOURCES

The Einstein Catalog Committee

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Volume 5

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The graphic inset on the cover was designed by Elizabeth Bohlen. The X-ray contours of the Cygnus Loop were generated by F. Seward from a montage of several IPC observations. The optical photograph is from the Palomar Sky Atlas; ©1960 The National Geographic Society – Palomar Sky Survey. Reproduced by permission of the California Institute of Technology.

The first volume of this seven-volume catalog contains complete documentation for the material that follows. Volumes 2-7 contain the Einstein imaging proportional counter (IPC) observations, ordered by right ascension with 4 hours per volume. Here we provide a short guide to the catalog pages, but the user is referred to Volume 1 for the details of this catalog.

1 The Contour Map

The map is constructed from the BROAD energy band (0.16-3.5 keV), smoothed with a Gaussian of FWHM=75". The data have had background subtracted and vignetting corrections applied. X-ray brightness units are counts \arcsin^{-2} , with contour levels increasing by factors of 2. Dashed contours indicate negative levels (with the same values as the positive contours). The lowest positive contour level is 3 σ above the background at the field center; this level and the peak brightness level in the map are given in the lower left-hand corner.

Sources satisfying the catalog selection criteria (cf. § 2 of Vol. 1) are indicated by crosses, with their field numbers adjoining the cross. The gray scale shows the relative exposure, ranging from 1.0 at the field center (white) to zero under the rib shadows. Although it is difficult for the eye to differentiate between zero and the normal values in the field corners (about 0.25), we have chosen this low-contrast gray scale so that the contours will still dominate the visual impression. The exposure map is zeroed at any location where the effective exposure is < 300 s or <25% of the value at the field center.

For observations with "stable" pointings, a "road-map" index surrounds the map. This grid of characters defines detector coordinates, and may be used with the tables in Appendix B (Vol. 1) to estimate upper limits for X-ray intensities at arbitrary locations within the field.

In the lower right-hand corner we give the counts in the background maps which were subtracted from the image prior to smoothing the data. "DS BKG CNTS" gives the total counts in the scaled version of the standard background map made from a superposition of deep survey fields. "BE BKG CNTS" specifies the contribution (positive or negative) to the background map from the standard "bright Earth" background.

2 Field Description

Beneath the contour diagram are parameters pertaining to the observation. The observation title was taken from the "Yellow Book" (Seward and Martenis, 1986), which is known to contain a few misnamed sequences. Titles preceded by "(?)" appear in Table 3.0 (cf. § 3.0 of Vol. 1), which lists possibly misleading titles. The coordinates of the field center are given for two epochs, B1950 and J2000, as well as in Galactic coordinates. The date entry gives the start day and stop day of the observation in yyyy/ddd format. The "live time" is the data-acquisition time corrected for telemetry dead-time effects. The roll angle is given for observations with stable pointings, and is the angle which specifies the orientation of the detector on the sky, with positive values indicating clockwise rotation when looking at the sky, starting from north as zero degrees. For a roll angle of zero, the "narrowest edge area" (i.e., outside the shadow of the entrance window support "ribs"; cf. Vol. 1) lies horizontally along the top of the map; the numbered detector coordinate scale runs down the left side; and the lettered scale is on the bottom, running from left to right.

The column density of neutral hydrogen in our Galaxy for the pointing direction, given as the " N_H " parameter, has been integrated from radio observations of the HI line. The "Ref/ID" flag, if present, alerts the reader that Appendix I of Volume 1 contains an entry referring to a publication dealing with this observation. The field flag is used to describe certain conditions which are listed at the end of this introduction.

3 The Source Table

Whenever sources have been detected (at signal-to-noise ratios ≥ 3.5 , in the BROAD energy band), a source table is present below the field description. The catalog number identifies unique sources in this catalog. The field number should be considered an "internal" catalog parameter to be used to facilitate the correlation of contour map features with their entries in the source table and to locate source information in the appendices. "External" references to sources should use the IAU conventions or the catalog number, both preceded by "2E," which is the adopted prefix for this catalog (see Vol. 1, §1.5).

The count rate (with its 1 σ uncertainty) refers to that measured in the standard detect cell (2'4 on a side) and has been corrected for telescope vignetting as well as for the standard scattering correction. The net and background counts also refer to the standard detect cell and are provided to assist users in evaluating source reliability. The signal-to-noise ratio of the detection is also given.

The size correction ("SIZCOR") is a multiplicative factor useful in estimating the intensity of sources which are much more extended than the resolution of the maps (approximately 2' FWHM). RECO is the "rib and edge code" and, when nonzero, alerts the user to the condition that the source intensity measurement may be affected by shadowing of the window support structure (ribs) or proximity to a detector edge. The distance of the source from the field center is given in arcminutes by R'.

The source flag is a one letter indicator denoting certain conditions described below, and the "ID" flag, when present, indicates that references to published papers concerning the source can be found by consulting Appendix I (Vol. 1).

4 Meaning of the Flags

Complete descriptions of the purpose and meaning of the various flags is given in Volume 1; here we give only a brief summary.

Ref/ID FLAGS

AGN Active galactic nucleus

BL BL Lac object

CLG Cluster of galaxies or group of galaxies

CV Cataclysmic variable

G Galaxy

GLB Globular cluster

P Pulsar

Q Quasar

RS Radio source (optical type not specified)

S Star

SNR Supernova remnant

SY Seyfert galaxy

Unspecified type: indicates separation < 100"

† Unspecified type: indicates separations between 100" and 150"

! Unspecified type of (undetected) source(s) in the field

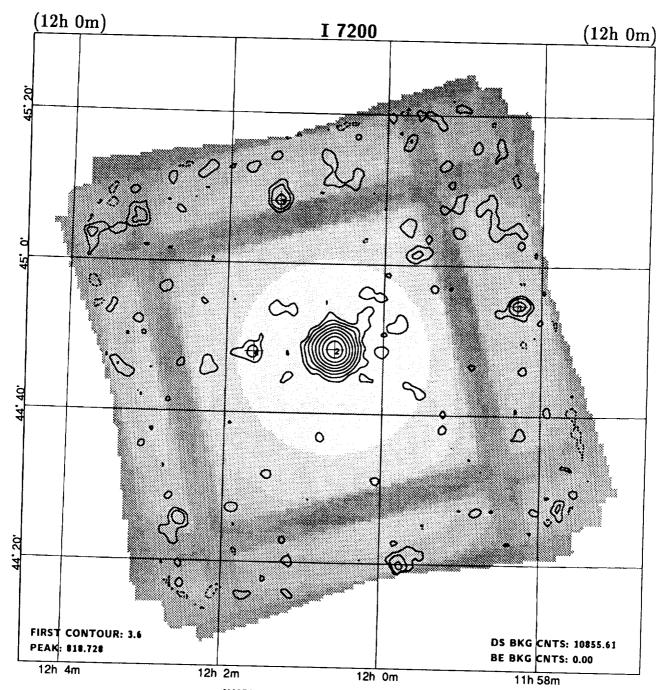
FIELD FLAGS

- B Background is suspect; not a reference to further information. For a very few sequences, the MDETECT background map seemed unsuccessful in representing the true background. In these rare cases, the reliability of MDETECT sources (and the values of SIZCOR) may have been affected.
- C Combined to form merged field. The current observation has been merged with one or more additional pointings to produce a combined map with a "new" sequence number. Results of the merged analyses appear in Appendix J, but in order to preserve statistical independence they were not included in the IPC source list (Vol. 1).
- D Deleted detections. One or more detections have been deleted from this field and are listed in Appendix F of Volume 1. Such detections (primarily within extended emission regions such as supernova remnants and clusters) were deleted from the catalog because they were judged to be spurious.

- G Ghost image (probably) present. See Appendix A of Volume 1 for a description of this effect due to bright sources just outside the IPC field of view.
- L LDETECT only; not a reference to further information. Reasons for not running the MDETECT detection algorithm are discussed in Appendix A of Volume 1.
- P Particle-event contamination of the background.
- S Sources missed. One or more known sources in this field were missed by the detection algorithms. A list of such sources appears in Appendix G of Volume 1.
- T Time correction made. The dead-time correction used in Rev1B was in error by 3% or more (occurred for 84 IPC sequences); this sequence has been reprocessed to obtain the proper live time.

SOURCE FLAGS

- A: Additional detection(s) occurred in other field(s).
- a: Probably should be paired with another detection, but separation exceeded cutoff; thus not assigned an "A" flag.
- E: Intensity corrected for source near the exposure cutoff at the field edge.
- H: A hardness ratio is available (cf. Appendix D of Vol. 1).
- I: Source detected by LDETECT near field edge. Intensity adjusted to remove redundant exposure correction.



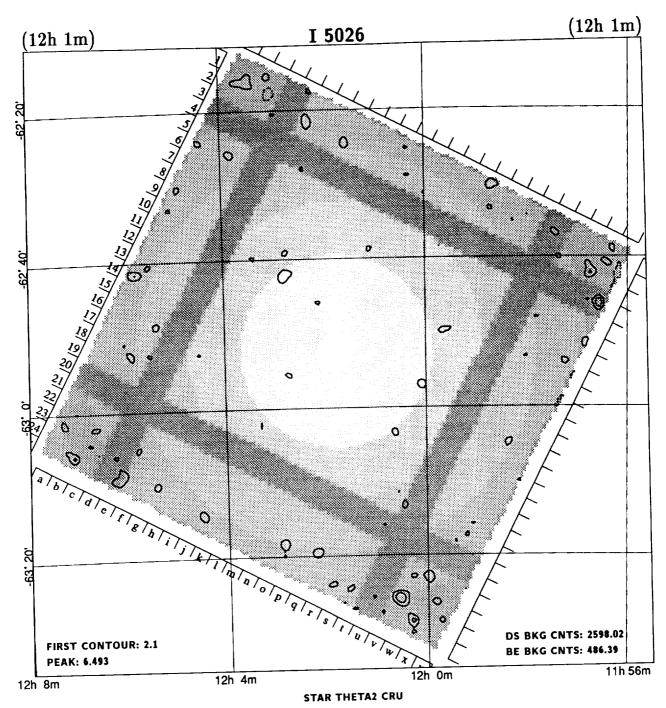
N4051, VARIABILITY OF TYPE 2 SEYFERTS

FIELD CENTER: $12^h00^m36.0^s$ $44^o47'59''$ (B1950) $12^h03^m09.2^s$ $44^o31'17''$ (J2000) ℓ : 148.90 b: 70.09

DATE: 1979/346 - 1981/ 4 LIVETIME: 8796.6s

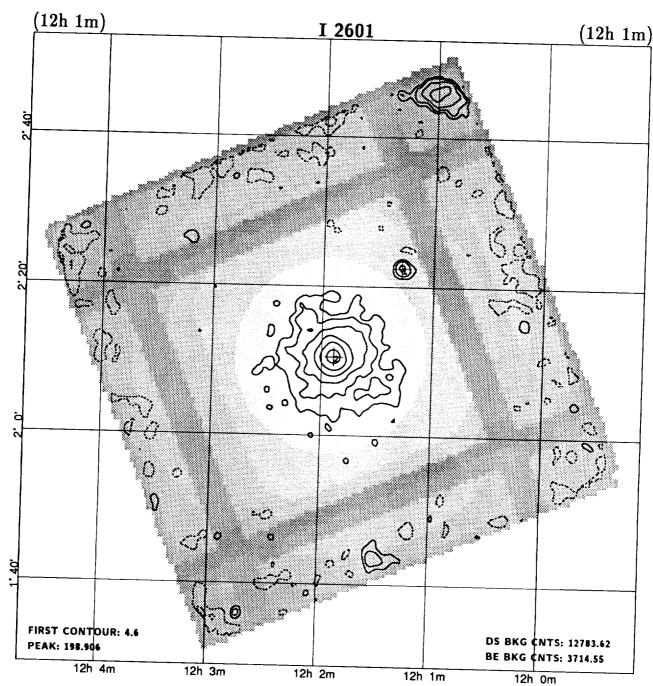
NH: 1.3E+20 REF/ID: FIELD FLAGS: L

CAT	FLD	RA	DEC											
i .	1 40	1	DEC	±	COUNT	±	NET	BKG	S/N	SIZE	RECO	R'	SRC	ID
#	#	(1950)	(1950)	"	RATE		CTS	CTS	,			'`	I	IU.
2566	1L	11 58 18.0	44 54 42	E 1	0.0120					COR			FLG	
25.70					0.0130	0.0026	47.7	17.3	4.9	1.0	0	25.2		
2578	2L	12 00 37.2	44 48 33	31	0.471	0.011	3082.0	645.0	43.8	1.5	٥	0.7		
2580	3L	12 01 21.3	45 08 20	51	*0.0119	0.0028	ľ			1.3	U	0.7		SY
2582	4L	ľ				0.0028	49.6	22.4	4.1	1.1	603	21.8		
2302	41	12 01 39.0	44 48 10	42	0.0064	0.0017	36.6	25.4	3.7	1.0	۸	11.4	 	
							 -			1.0		11.4		



FIELD CENTER: $12^h01^m43.9^s$ $-62^o53'14''$ (B1950) $12^h04^m19.4^s$ $-63^o09'56''$ (J2000) ℓ : 297.64 ℓ : -0.78

DATE: 1980/237 - 1980/237 LIVETIME: 2105.3s ROLL ANGLE: 27.4° NH: 1.4E+21 REF/ID: FIELD FLAGS:



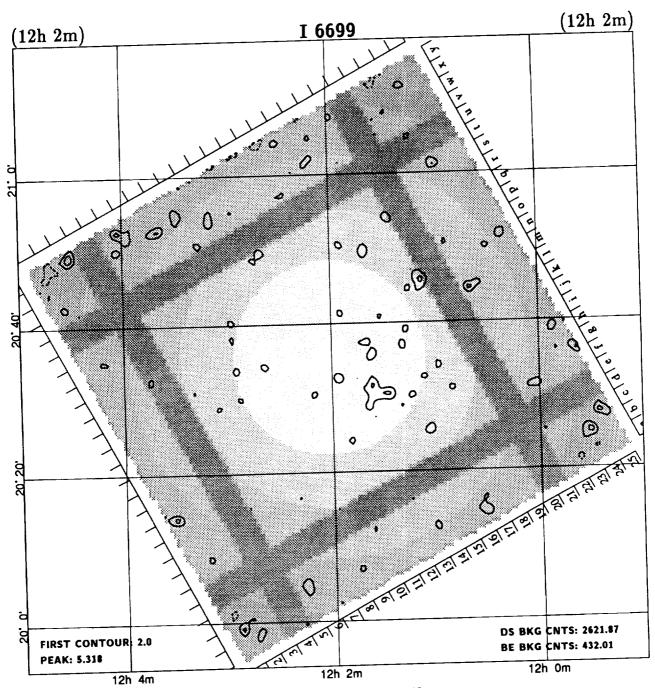
MKW 4: CD GALAXIES IN POOR CLUSTERS

FIELD CENTER: $12^h01^m54.0^s$ $02^o10'59''$ (B1950) $12^h04^m27.7^s$ $01^o54'17''$ (J2000) ℓ : 276.91 b: 62.38

DATE: 1979/171 - 1981/ 8 LIVETIME: 10359.0s

NH: 1.8E+20 REF/ID: FIELD FLAGS: LS

#	FLD #	RA (1950)	DEC (1950)	± "	COUNT RATE	±	NET CTS	BKG CTS	S/N	SIZE	RECO	R'		ID
2579	11	12 01 17.3	02 22 24	41	0.0103	0.0019	62.9	29.1	E 4				FLG	
2583	2L	12 01 53.5	02 10 28	31			i			0.8	U	14.7		ŀ
					0.0012	0.0043	650.4	361.6	17.0	3.3	0	0.5		CLG



SEYFERT SURVEY: AKN 347

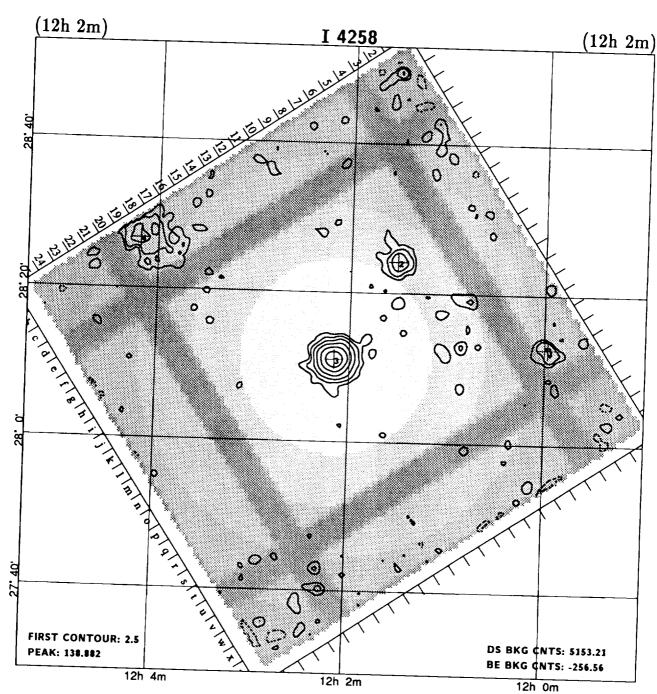
FIELD CENTER: 12^h02^m00.0^s 20°35'59" (B1950) 12h04m33.4s 20°19'17" (J2000)

l: 242.85 b: 77.30

DATE: 1979/339 - 1979/339 LIVETIME: 2124.6s

ROLL ANGLE: -118.0°

NH: 2.5E+20 REF/ID: FIELD FLAGS:



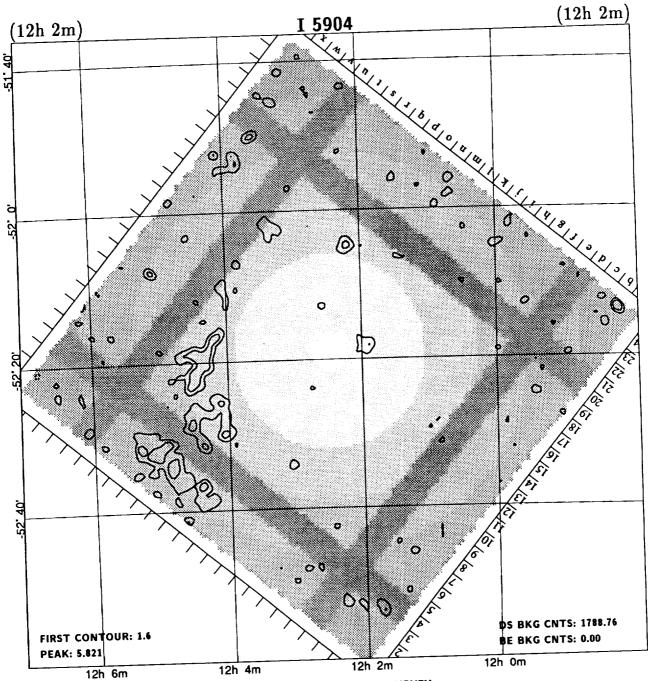
OPTICALLY BRIGHT, RADIO-QUIET QSO

FIELD CENTER: $12^h02^m09.0^s$ $28^o10'53''$ (B1950) $12^h04^m42.2^s$ $27^o54'11''$ (J2000) ℓ : 205.96 b: 79.61

DATE: 1979/143 - 1979/144 LIVETIME: 4175.86 ROLL ANGLE: 56.5°

NH: 1.7E+20 REF/ID: FIELD FLAGS:

#	FLD #	RA (1950)	DEC (1950)	± "	COUNT RATE	±	NET CTS		S/N	SIZE	RECO	R'	SRC	ID
2575	1	11 59 58.0			*0.0141	0.0035	22.0	8.0	4.0	1.3	401	20.0	FLG	
2581	2	12 01 31.1			0.0260	0.0035	64.0	10.0	7.4	1.3	401	28.8		
2584	3	12 02 09.4			0.2021	0.0081	629.1	11.9		1.6	0	15.6 0.2	н	CLG
2589	4	12 04 10.9	28 26 42	51	0.0218	0.0044	30.3	7.7	4.9	3.2	200	31.1	AH AH	CLG



SUPERNOVA REMNANT SURVEY:

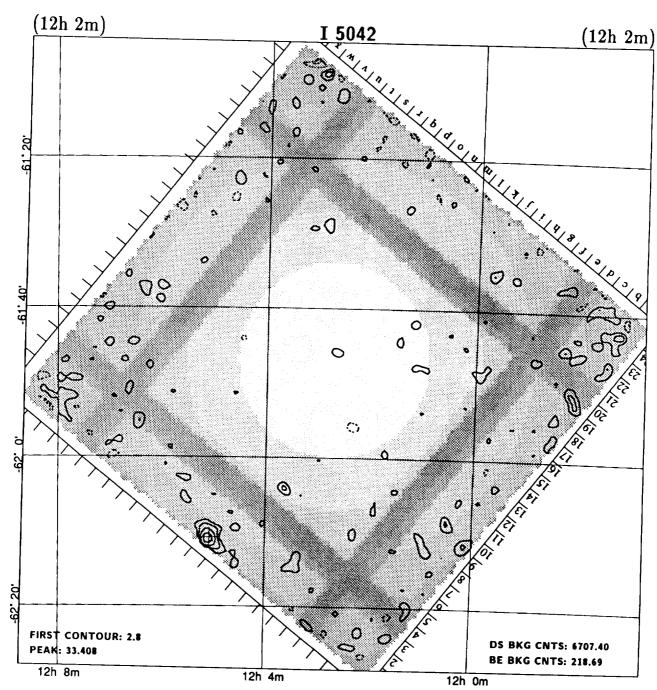
FIELD CENTER: 12^h02^m28.7° -52°18'22" (B1950) 12h05m03.8s -52°35'05" (J2000)

ℓ: 295.82 b: 9.65

DATE: 1980/ 38 - 1980/ 39 LIVETIME: 1449.5

REF/ID: FIELD FLAGS: L ROLL ANGLE: -140.5°

NH: 1.1E+21



HD 104994,WR STARS W/ OVI EMISSION

FIELD CENTER: 12^h02^m42.8^s -61°46'25" (B1950) 12^h05^m18.7^s -62°03′07" (J2000)

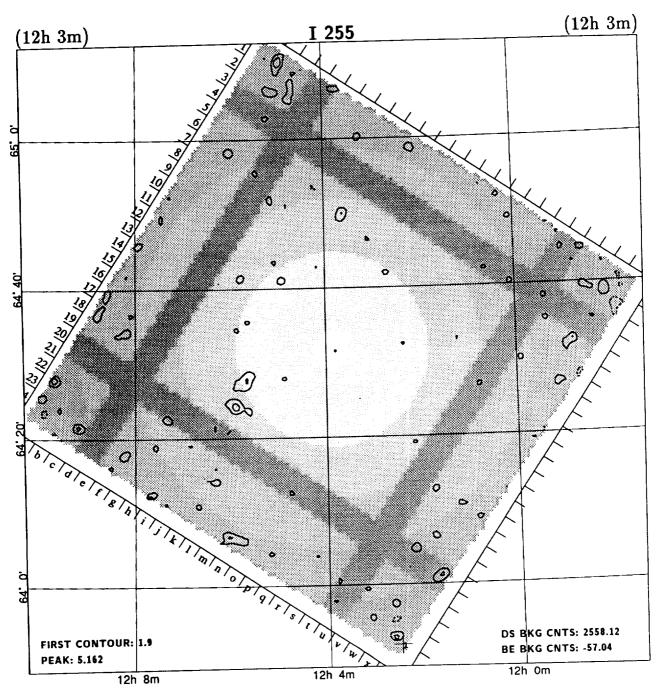
ℓ: 297.56 b: 0.34

DATE: 1980/ 39 - 1980/ 39 LIVETIME: 5435.3s

ROLL ANGLE: -141.8°

NH: 1.4E+21 REF/ID: S FIELD FLAGS:

CAT FLD	RA (1050)	DEC	±	COUNT	±	NET	BKG	S/N	SIZE	RECO	R'	SRC ID
2590 1	(1950) 12 05 04.9	(1950)		RATE		CTS	CTS		COR			FLG
	12 03 04.9	-62 10 48	50	*0.0226	0.0038	42.6	9.4	5.9	1.0	401	29.3	Н



3C 268.3 CLUSTER EVOLUTION

FIELD CENTER: 12^h03^m50.0^s 64°30′59" (B1950) 12h06m20.6s 64°14'18" (J2000)

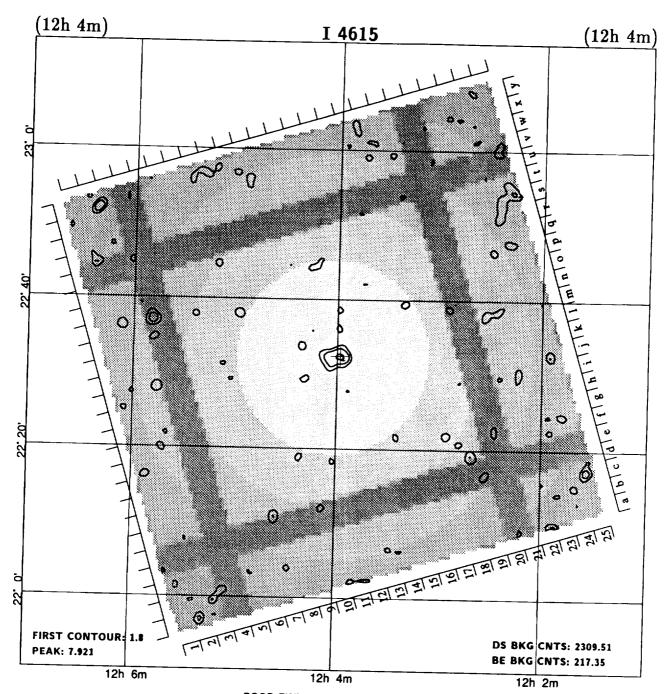
ℓ: 130.90 b: 52.19

DATE: 1979/118 - 1979/118

LIVETIME: 2072.9s ROLL ANGLE: 33.5°

NH: 2.0E+20 REF/ID: FIELD FLAGS:

ſ	CAT	FLD	RA	DEC	± "	COUNT	±	NET CTS	BKG CTS	S/N	SIZE COR	RECO	R'	SRC FLG	ID
١	#	#	(1950)	(1950)		RATE			3.0	2.7	0.0	1002	40.0	EH	$\neg \neg$
1	2585	1	12 02 31.3	63 51 53	60	*0.056	0.015	16.0	3.0	3.7	0.0				1



POOR ZWICKY CLUSTER: 1204+225

FIELD CENTER: 12^h04^m00.0^s 22°32'17" (B1950) 12^h06^m33.1^s 22°15′35" (J2000)

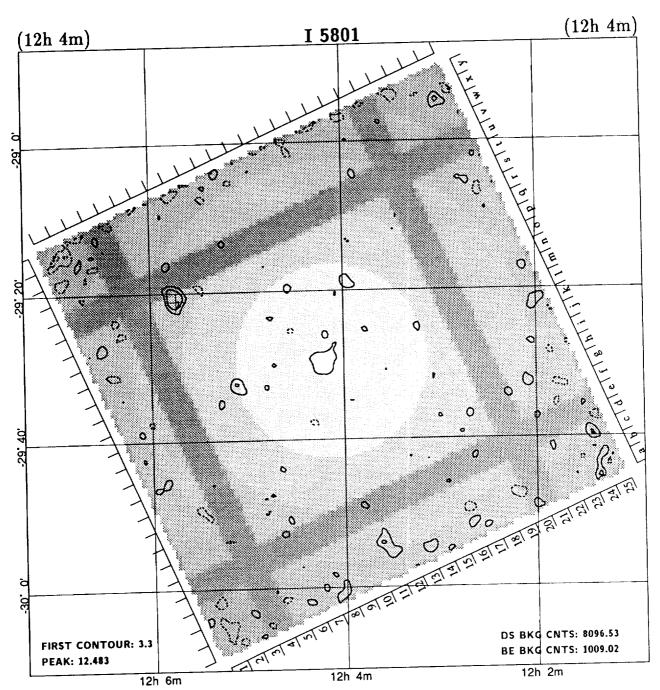
l: 236.03 b: 78.71

DATE: 1979/349 - 1979/349 LIVETIME: 1871.5s

ROLL ANGLE: -106.6°

NH: 2.4E+20 REF/ID: G FIELD FLAGS:

CAT	FLD	RA	DEC	+	COUNT		NET	DKC	0.101					
#	#	(1950)	(1950)	"	RATE	_	CTS	BKG CTS	S/N	ł	RECO	R'	SRC ID)
2588	1	12 03 58.2	22 32 22	35	0.0225	0.0044	31.4			COR			FLG	
					0.0225	0.0044	31.4	6.6	5.1	1.1	0	0.4	Н	- 1



NORMAL GALAXIES: N4105

FIELD CENTER: 12^h04^m06.0^s -29°28'53" (B1950) 12^h06^m40.6^s -29°45'35" (J2000)

ℓ: 291.46 b: 32.11

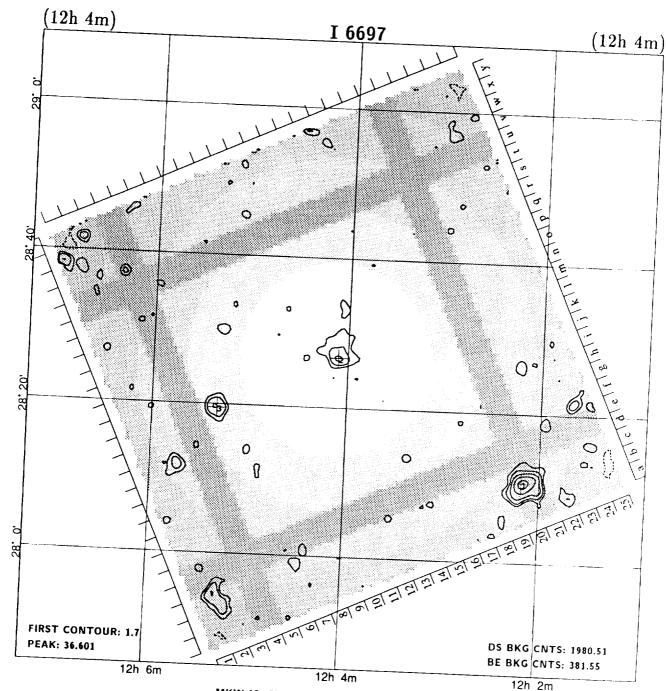
DATE: 1980/364 - 1980/364

LIVETIME: 6560.9s

ROLL ANGLE: -113.9°

NH: 5.7E+20 REF/ID: ! FIELD FLAGS:

-	CAT	FLD	RA	DEC	± "	COUNT	±	NET CTS	BKG CTS	S/N	SIZE	RECO	R'	SRC FLG	ID
	#	#	(1950)	(1950)		RATE			14.7	4.6	1.0	501	22.8	Н	
	2593	1	12 05 44.2	-29 21 07	52	*0.0102	0.0022	31.3	14.7	7.0	1.0			<u> </u>	



MKW 4S: CD GALAXIES IN POOR CLUSTERS

FIELD CENTER: 12^h04^m06.0^s 28°26′59" (B1950)

12^h06^m38.9³ 28°10′18″ (J2000)

ℓ: 204.34 b: 80.03

DATE: 1979/350 - 1979/350

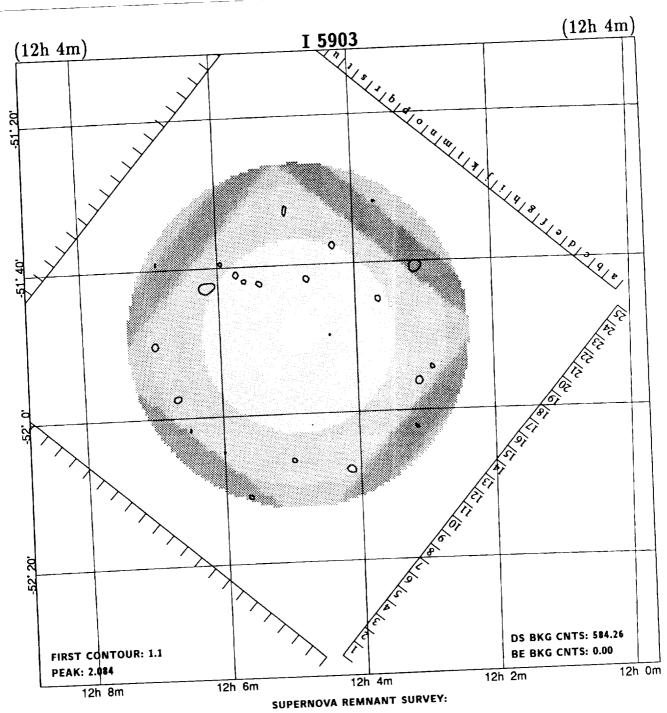
LIVETIME: 1604.9s

ROLL ANGLE: -114.1°

NH: 1.7E+20 REF/ID:

FIELD FLAGS:

										1 1 4	.1		FIELD	FLAGS		
	CAT	FLD	RA	DEC	±	COUNT									•	
١	#	#	(1950)	(1950)	<i>"</i>	RATE	±			S/N	SIZE	RECO	R'	SRC	ID	7
- [2584	1	12 02 10.7	28 10 48	50	*0.103	0.014		CTS		COR			FLG	,,,	
- 1	2589	2	12 04 06.1	28 26 40		0.103	0.014	58.0	3.0	7.4	1.5	1209	30.1	АН	0	+
L	2591	3	12 05 20.0			0.0284	0.0053	34.0	6.0	5.4	1.6	0	0.4	AH	CLG	
						0.0311	0.0063	27.6	3.4	5.0	1.0	200	18.2	Н	020	



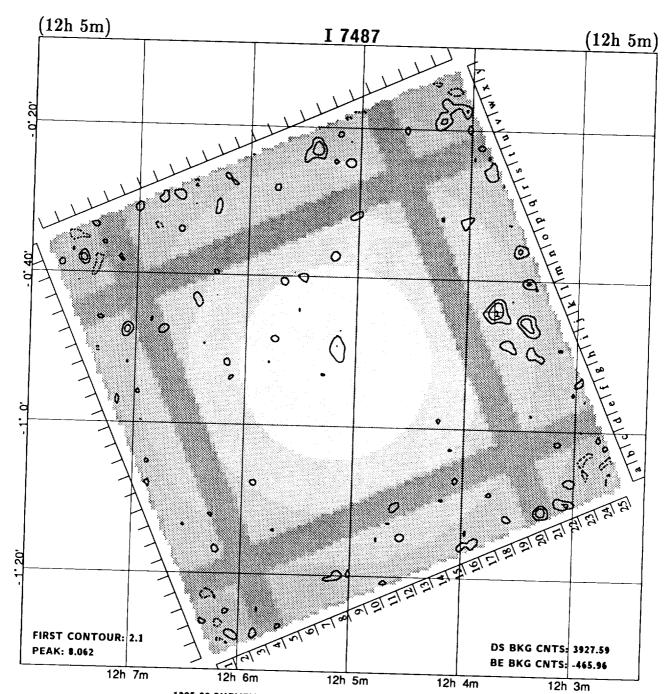
FIELD CENTER: 12^h04^m17.0^s -51°53'23" (B1950) 12^h06^m52.8^s -52°10'05" (J2000)

ℓ: 296.02 b: 10.10

DATE: 1980/ 38 - 1980/ 38 LIVETIME: 473.4s

ROLL ANGLE: -139.4°

NH: 1.1E+21 REF/ID: FIELD FLAGS: L



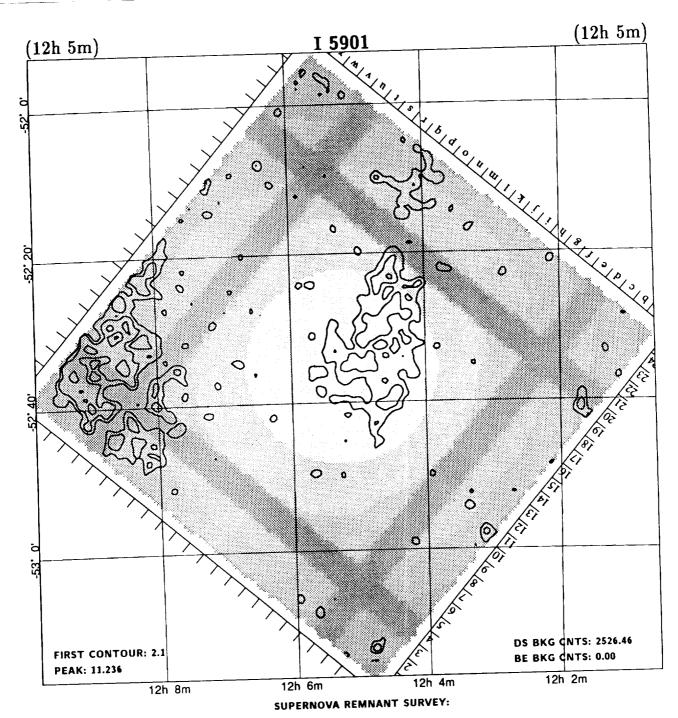
1205-00, SURVEY OF X-RAY EMISSION FROM BL LAC OBJECTS

FIELD CENTER: $12^h05^m09.5^s$ $-00^\circ50'59''$ (B1950) $12^h07^m43.3^s$ $-01^\circ07'41''$ (J2000) ℓ : 280.76 b: 59.85

DATE: 1981/ 7 - 1981/ 7 LIVETIME: 3182.6s ROLL ANGLE: -113.6°

NH: 2.1E+20 REF/ID: FIELD FLAGS:

CAT F	LD	RA	DEC	±	COUNT	+	NET	BKC	C (1)					
#	#	(1950)	(1950)	"	RATE	_	ļ	BKG	S/N	Į.	RECO	R'	SRC ID	1
2586	1	12 03 45.2	-00 44 10	55	0.0137	0.0035	CTS	CTS		COR			FLG	
					0.0137	0.0035	20.3	6.7	3.9	1.0	0	22.2		7



FIELD CENTER: 12^h05^m11.7^s -52°34′58" (B1950)

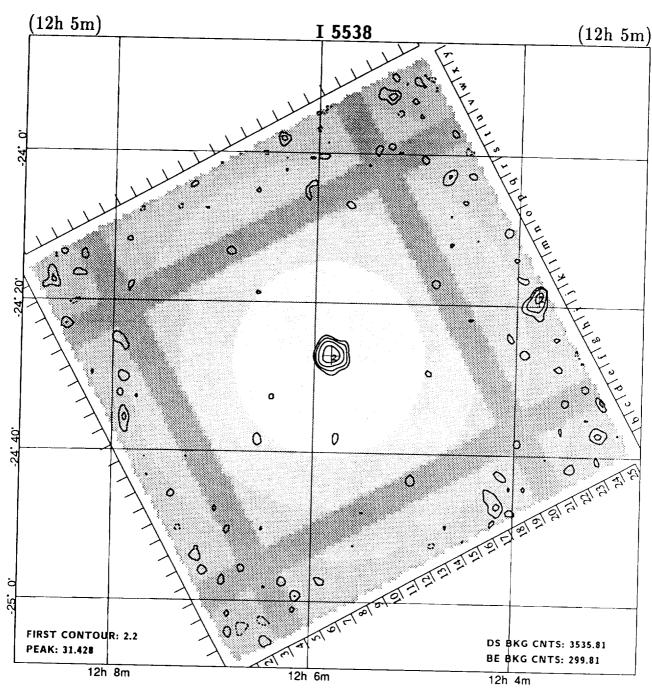
12h07m47.9' -52°51'40" (J2000)

ℓ: 296.28 b: 9.45

DATE: 1980/ 38 - 1980/ 38 LIVETIME: 2047.3s

ROLL ANGLE: -139.9°

NH: 1.2E+21 REF/ID: FIELD FLAGS: L



Alpha CRV

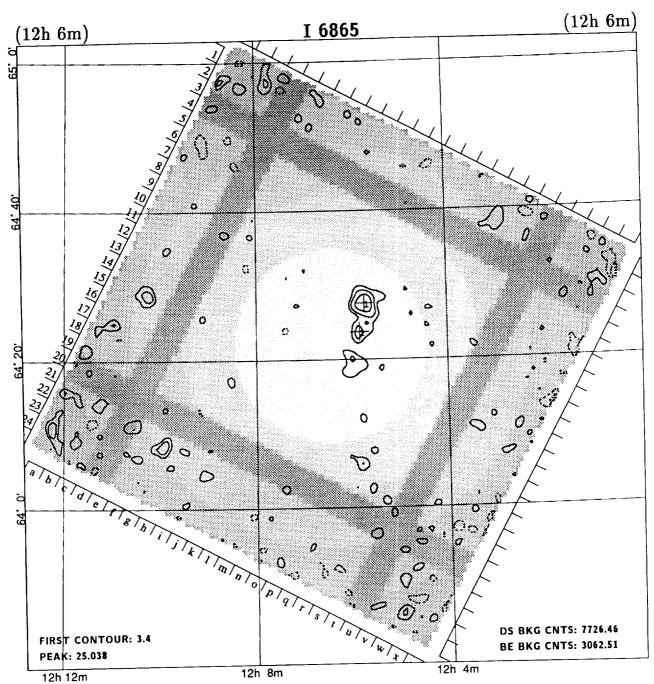
FIELD CENTER: 12^h05^m50.0^s -24°26′59" (B1950) 12^h08^m24.7^s -24°43′41" (J2000)

ℓ: 290.66 b: 37.12

DATE: 1980/ 11 - 1980/ 11

LIVETIME: 2865.2s ROLL ANGLE: -118.8° NH: 7.4E+20 REF/ID: FIELD FLAGS:

CAT FLD RA DEC COUNT NET BKG S/N SIZE RECO SRC ID (1950)(1950) RATE CTS CTS COR FLG 2587 1 12 03 47.3 -24 18 42 55 0.0222 0.0056 20.2 5.8 4.0 1.1 300 28.4 Н 2594 2 12 05 49.8 -24 27 05 31 0.0654 0.0057 139.6 9.4 11.4 1.3 0 0.2

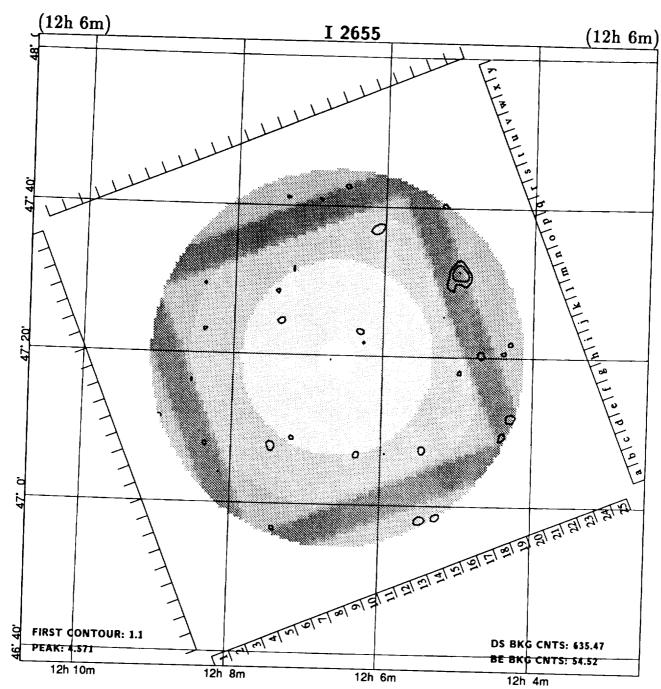


A1477,CLUSTER LUMINOSITIES @ Z=0.25.

FIELD CENTER: $12^h06^m24.0^s$ $64^o20'59''$ (B1950) $12^h08^m53.1^s$ $64^o04'18''$ (J2000) ℓ : 130.54 b: 52.42

DATE: 1980/112 - 1980/113 LIVETIME: 6486.0s ROLL ANGLE: 27.9° NH: 2.0E+20 REF/ID: CLG FIELD FLAGS:

CAT	FLD	RA (1050)	DEC (1950)	± "	COUNT RATE	±	NET CTS	BKG CTS	S/N	SIZE	RECO	R'	SRC FLG	ID
2592	1	(1950) 12 05 43.9	64 27 30		0.0251	0.0026	112.9 33.8	28.1 28.2	9.5 4.3	1.6 4.9	0	7.7 4.6	H	AGN
2595	2	12 05 50.2	64 23 40	36	0.0072	0.0017	33.6	20.2	7.3	1.5				

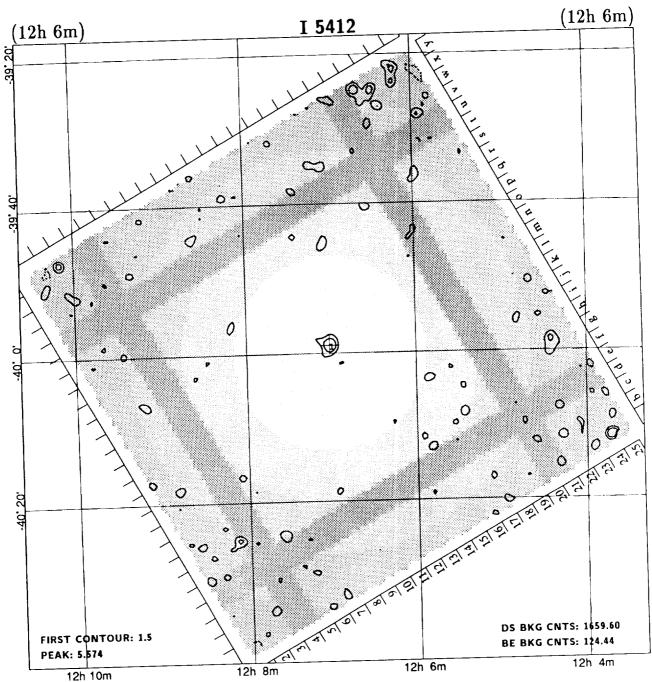


SEYFERT GALAXY SURVEY: MKN 198:

FIELD CENTER: $12^h06^m36.0^s$ $47^\circ19'59''$ (B1950) $12^h09^m07.3^s$ $47^\circ03'18''$ (J2000) ℓ : 142.80 ℓ : 68.41

DATE: 1979/350 - 1979/350 LIVETIME: 514.9s ROLL ANGLE: -112.1°

NH: 1.6E+20 REF/ID: FIELD FLAGS:



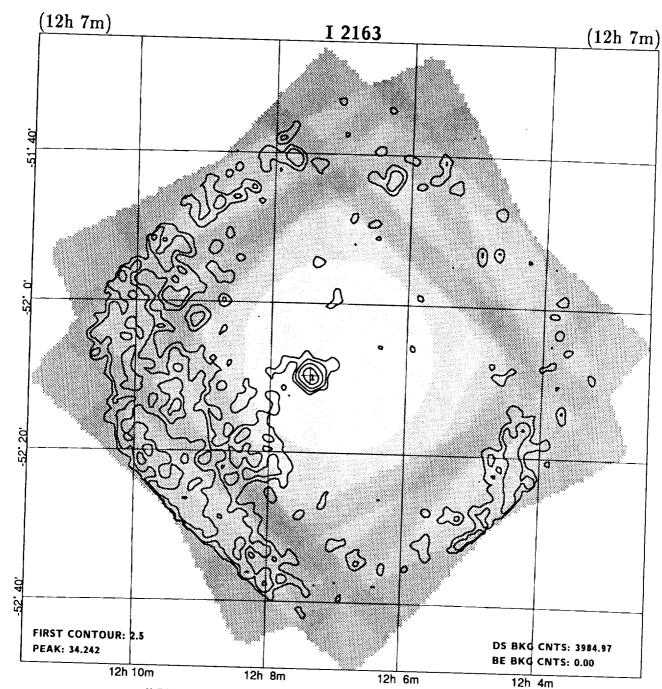
1207-399,QSO'S WITH RADIO FLAT SPECTRUM

FIELD CENTER: 12^h06^m59.6^s -39°59′30″ (B1950) 12^h09^m35.4^s -40°16′12″ (J2000)

 ℓ : 294.34 b: 21.90

DATE: 1980/ 11 - 1980/ 11 LIVETIME: 1344.8s ROLL ANGLE: -119.3° NH: 7.9E+20 REF/ID: FIELD FLAGS:

CAT	FLD	RA	DEC	± "	COUNT RATE	±	NET CTS	BKG CTS	S/N	SIZE	RECO	R'	SRC FLG	1D
#	#	(1950)	(1950)			0.0048	18.6	4.4	3.9	0.8	0	0.6	Н	Q
2597	1	12 07 01.2	-39 58 55	37	0.0186	0.0040	10.0			L				



X-RAY STUDY OF SUPERNOVA REMNANTS: G296.5+10.0=PKS1209-51/52

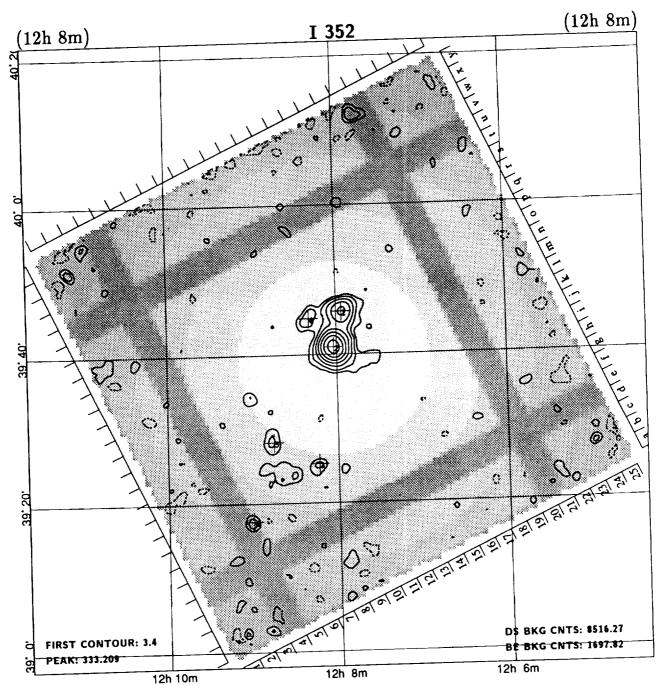
FIELD CENTER: 12^h07^m00.0^s -52°06′59" (B1950)

12^h09^m36.8^s -52°23'41" (J2000) £: 296.48 b: 9.95 DATE: 1979/192 - 1980/ 38 LIVETIME: 3229.1s

2 - 1980/ 38 NH: 1.1E+21 .1s REF/ID:

FIELD FLAGS: LS

CAI	FLD	RA	DEC	± _	COUNT	+	NET	DICC	6.411						
#	#	(1950)	(1950)	"	RATE			BKG	5/N	SIZE	RECO	R'	SRC	ID	Ī
2599	11						CTS	CTS		COR			FLG		١
		12 07 24.9	-52 09 39	31	0.0503	0.0062	117.2	36.8	8.0	1.4	0	4.6	A	SNR	ł
														51111	1



NGC 4151 SEYFERT VARIABILITY STUDY

FIELD CENTER: 12^h08^m00.0^s 39°39′59" (B1950) 12^h10^m31.5^s 39°23'18" (J2000)

ℓ: 155.13 b: 75.07

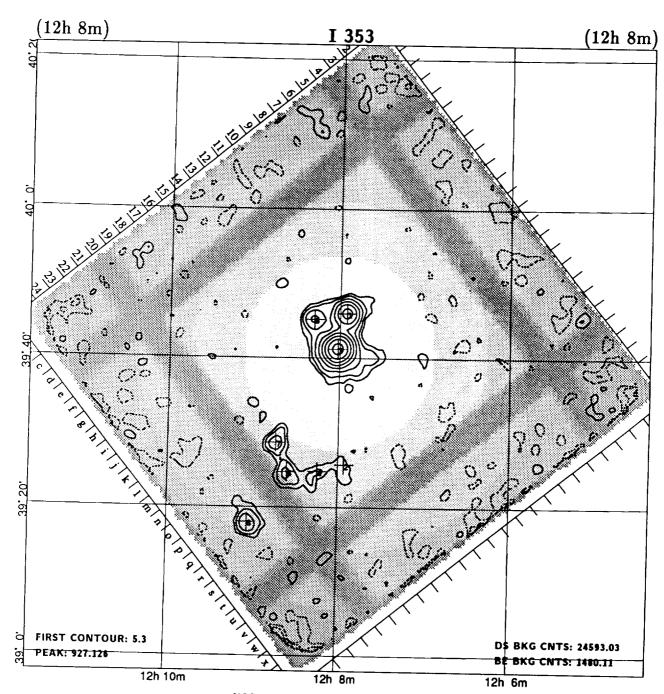
DATE: 1979/346 - 1979/347 LIVETIME: 6901.0s

ROLL ANGLE: -115.6°

NH: 2.1E+20 REF/ID:

FIELD FLAGS: CD

							NET	BKG	S/N	SIZE	RECO	R'	SRC	ID
CAT	FLD	RA	DEC	\pm	COUNT	±	NET		3/14				FLG	
1		(1950)	(1950)	"	RATE		CTS	CTS		COR				
#	#					0.0035	256.6	22.4	15.4	7.9	0	6.0	AH	AGN
2600	1	12 07 56.3	39 45 43	38	0.0530		l -			1.6	0	1.3	AH	SY
1	2	12 08 01.9	39 41 01	31	0.2642	0.0073	1348.2	25.8	36.4	· -	_	_	ì	
2603	2				0.0058	0.0016	23.9	21.1	3.6	0.7	0	15.1	AH	
2605	3	12 08 13.7	39 25 14	33	1		50.4	24.6	5.8	41.9	0	6.2	AH	G
2606	4	12 08 19.5	39 44 48	41	0.0104	0.0018					•	15.0	AH	CLG
	_	12 08 45.6	39 28 09	52	0.0060	0.0017	24.9	24.1	3.6	0.8	0			020
2608	5				+0.0060	0.0019	20.5	12.5	3.6	0.6	907	25.2	A	
2611	6	12 09 00.6	39 17 36	57	*0.0068	0.0019								



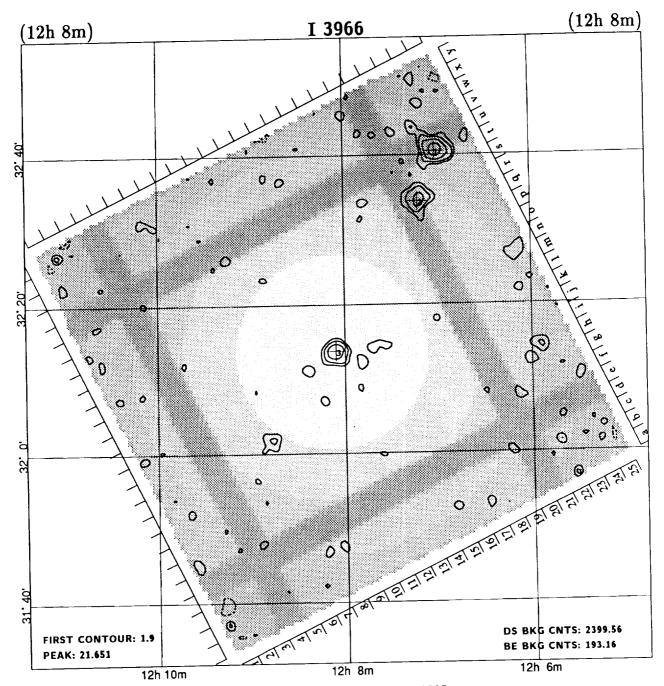
NGC 4151 SEYFERT VARIABILITY STUDY

FIELD CENTER: $12^h08^m00.0^s$ $39^o39'59''$ (B1950) $12^h10^m31.5^s$ $39^o23'18''$ (J2000) ℓ : 155.13 b: 75.07

DATE: 1979/138 - 1979/140 LIVETIME: 19928.56 ROLL ANGLE: 51.2°

NH: 2.1E+20 REF/ID: FIELD FLAGS: C

CAT	FLD	RA	DEC	±	COUNT	±	NET	DKC	S/N	CIZE	0500			
#	#	(1950)	(1950)	"	RATE	_	1	CTS	•	COR	RECO	R'	SRC FLG	ID
2600	1	12 07 55.2	39 45 59	37	0.0617	0.0022	875.7	65.3	28.5	6.9	0	6.1	A	AGN
2601	2	12 07 55.9	39 25 43	48	0.00272	0.00077	32.1	49.9	3.5	10.3	0	13.7		AGN
2603	3	12 08 01.4	39 41 13	31	0.2596	0.0042	3860.8	66.2	61.6	1.7	0	1.3	AH	SY
2605	4	12 08 14.6	39 24 50	55	0.00320	0.00084	36.6	54.4	3.8	7.9	0	15.3	1	31
2606	5	12 08 18.2	39 45 11	38	0.0140	0.0012	198.3	67.7	12.2	30.5	0	6.5	A	_
2607	6	12 08 36.0	39 24 44	50	*0.0069	0.0010	75.6	48.4	6.8	3.6	601	16.6	. A	G
2608	7	12 08 44.0	39 28 44	38	0.0095	0.0011	112.5	53.5	8.7	2.9	100		Н	S
2611	8	12 09 03.4	39 17 58	50	0.0115	0.0014	96.2	38.8	8.3	1.2	0	14.1 25.1	A AH	CLG



1208+322, BRIGHT NEARBY QUASAR

FIELD CENTER: 12^h08^m05.4^s 32°13'48" (B1950) 12h 10m 37.4' 31°57'07" (J2000)

ℓ: 181.96 b: 79.90

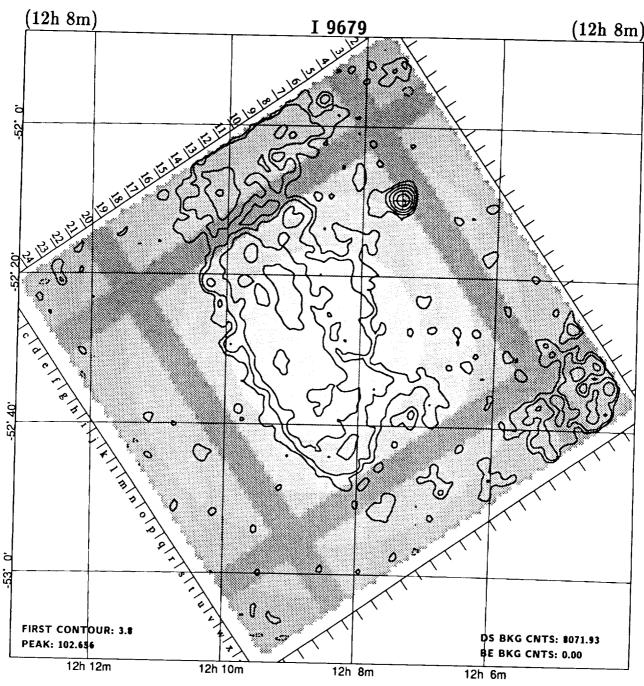
DATE: 1979/346 - 1979/346

LIVETIME: 1944.5s

ROLL ANGLE: -116.2°

NH: 1.5E+20 REF/ID: FIELD FLAGS:

ı	CAT	FLD	RA	DEC	±	COUNT	±	NET	BKG	S/N	SIZE	RECO	R'	SRC	ID
	CAT "	и	(1950)	(1950)	"	RATE		CTS	CTS		COR			FLG	
	#	#	(/-	32 40 29	50	*0.065	0.010	43.1	2.9	6.4	1.4	1109	30.0	н	l
	2596	1	12 07 00.9				0.0063	28.1	2.9	5.1	1.2	1108	22.9		i
	2598	2	12 07 12.2			*0.0318		1	6.6	6.9	1 2	0	0.4	lн	1
	2604	3	12 08 05.8	32 13 51	35	0.0368	0.0053	53.4	0.0	0.9	1.2				



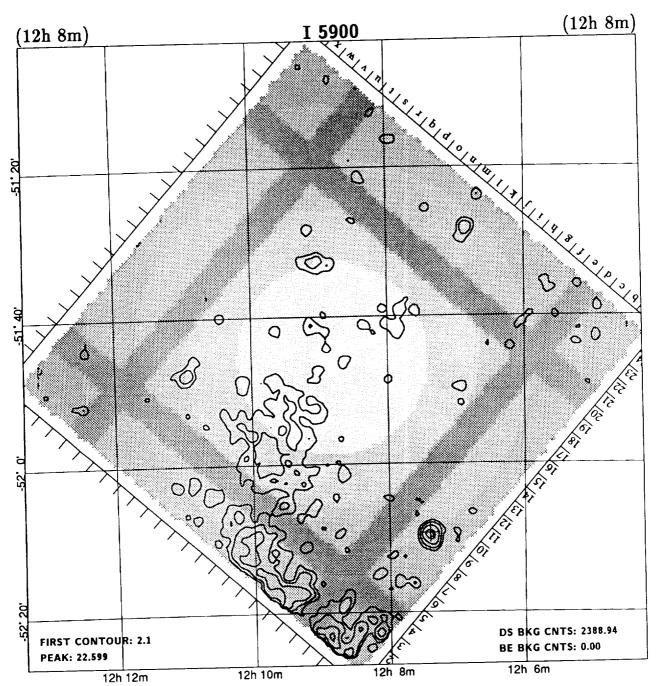
SNR PKS 1209-52

FIELD CENTER: $12^h08^m30.0^s$ -52°29′59″ (B1950) $12^h11^m07.5^s$ -52°46′41″ (J2000) ℓ : 296.77 b: 9.61

DATE: 1980/203 - 1980/203 LIVETIME: 6540.9s ROLL ANGLE: 55.2°

NH: 1.1E+21 REF/ID: FIELD FLAGS: DLS

	CAT #	FLD	RA (1050)	DEC	± "	COUNT		NET	BKG	S/N	SIZE	RECO	R'	SRC	ID
ŀ	#	#	(1950)	(1950)		RATE		CTS	CTS		COR			FLG	
Į	2599	1L	12 07 25.5	-52 09 49	47	*0.0861	0.0081	272.3	15.7	10.5	1.2	804	22.5	A	SNR



SUPERNOVA REMNANT SURVEY:

FIELD CENTER: 12^h08^m48.2^s -51°44′59" (B1950) 12^h11^m25.7^s -52°01'41" (J2000)

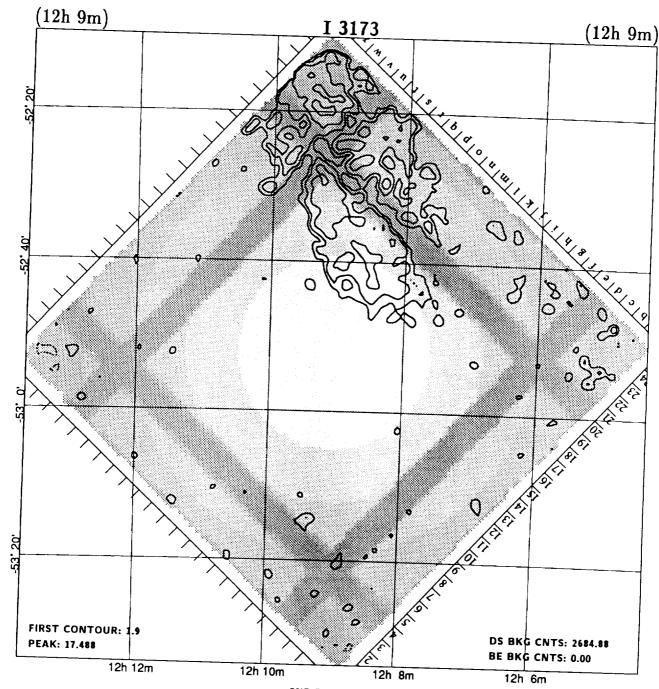
ℓ: 296.70 b: 10.36

DATE: 1980/ 38 - 1980/ 38 LIVETIME: 1935.8s

ROLL ANGLE: -138.9°

NH: 1.1E+21 REF/ID: FIELD FLAGS: LS

٦	CAT	FLD	RA	DEC (1950)	± "	COUNT	±	NET CTS	BKG CTS	S/N	SIZE	RECO	R'	SRC FLG	ID
-	#	#	(1950) 12 07 24.3	. (/	50	0.059	0.010	45.5	4.5	5.6	1.0	0	27.7	Α	SNR

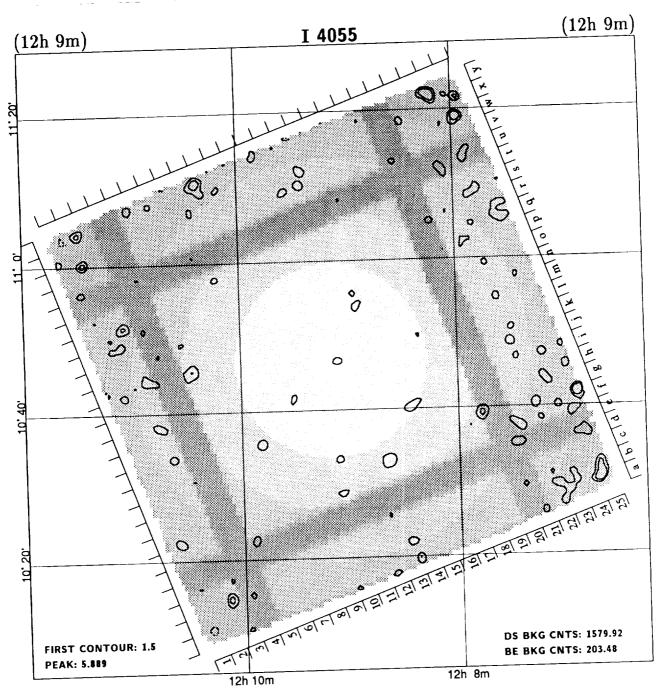


SNR PKS 1209-52

FIELD CENTER: $12^h09^m00.0^s$ -52°51′59″ (B1950) $12^h11^m37.7^s$ -53°08′41″ (J2000) ℓ : 296.90 b: 9.26

DATE: 1980/ 36 - 1980/ 36 LIVETIME: 2175.76 ROLL ANGLE: -137.3°

NH: 1.2E+21 REF/ID: FIELD FLAGS: LS



HIGH REDSHIFT QUASAR

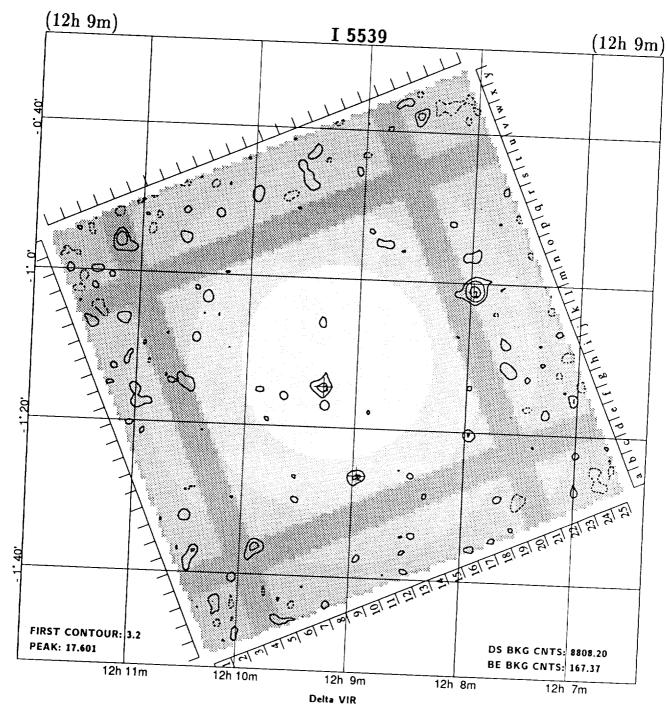
FIELD CENTER: 12^h09^m08.0^s 10°46′57" (B1950) 12^h11^m41.2^s 10°30′16" (J2000)

ℓ: 271.66 b: 70.92

DATE: 1979/355 - 1979/355 LIVETIME: 1280.3s

ROLL ANGLE: -110.4°

NH: 1.9E+20 REF/ID: FIELD FLAGS:



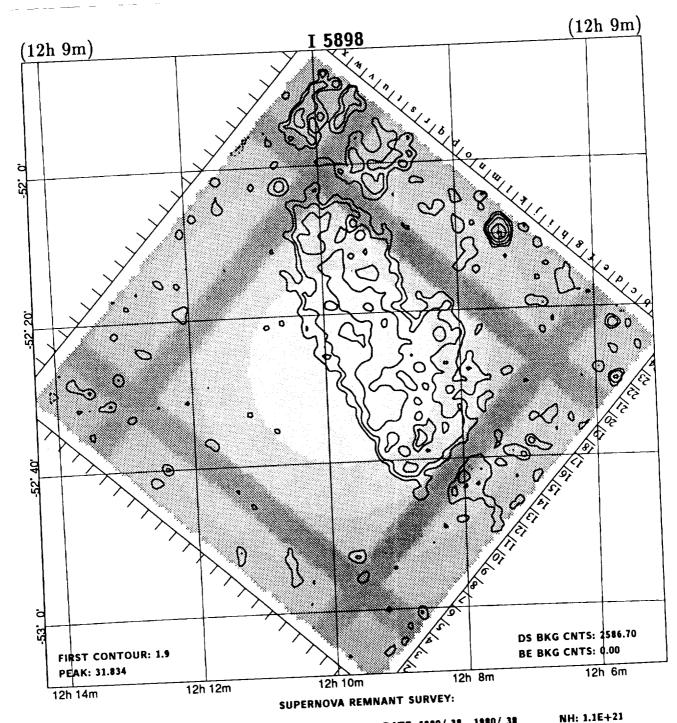
FIELD CENTER: $12^h09^m09.7^s -01^010'41''$ (B1950) $12^h11^m43.5^s -01^027'23''$ (J2000) ℓ : 282.86 b: 59.86

DATE: 1980/349 - 1980/349 LIVETIME: 7137.6s

ROLL ANGLE: -113.5°

NH: 2.2E+20 REF/ID: FIELD FLAGS:

CAT FLD RA DEC COUNT ± NET BKG S/N SIZE RECO (1950)(1950) R' SRC RATE CTS CTS 2602 COR 12 07 58.4 -01 01 06 FLG *0.0136 0.0022 48.3 2610 12.7 6.2 2 1.1 12 08 57.9 -01 26 22 56 704 20.2 0.0055 Н 0.0015 22.9 2612 18.1 3.6 12 09 17.8 -01 14 30 36 0.7 0 16.0 0.0055 0.0014 28.7 22.3 4.0 0.8 0



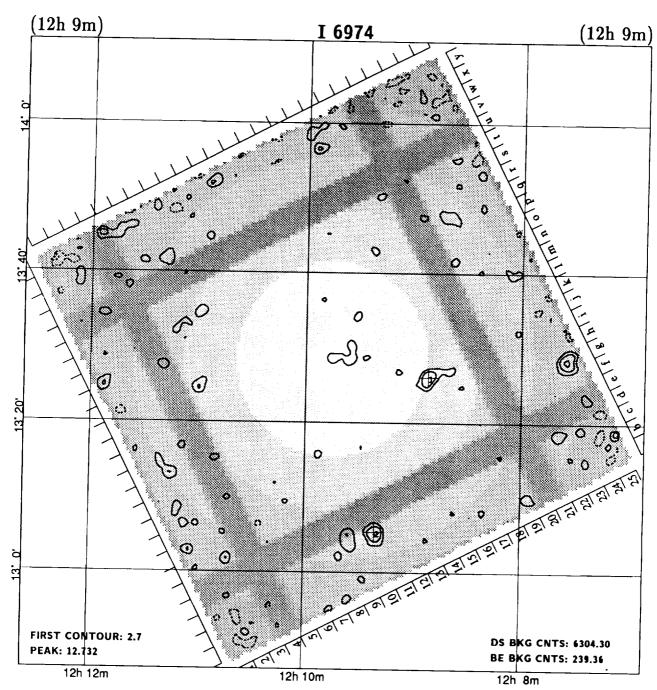
FIELD CENTER: 12h09m42.9' -52°26'34" (B1950) 12h 12m 20.8s -52°43'16" (J2000)

ℓ: 296.95 b: 9.70

DATE: 1980/ 38 - 1980/ 38 LIVETIME: 2096.1s ROLL ANGLE: -138.5°

REF/ID: FIELD FLAGS: LS

1	CAT FLD	RA	DEC (1950)	± "	COUNT	±	NET CTS	BKG CTS	s/N	SIZE	RECO	R'	SRC FLG	ID SNR	
	# # 2599 1L	(1950) 12 07 22.3		50	0.055	0.011	44.6	12.4	4.9	1.0		27.2			_



NGC 4165/4164/4168, VIRGO CLUSTER GALAXY SURVEY

FIELD CENTER: 12^h09^m44.4^s 13°28'59" (B1950) 12h 12m 17.4s 13° 12' 18" (J2000)

ℓ: 267.68 b: 73.34

LIVETIME: 5108.6s

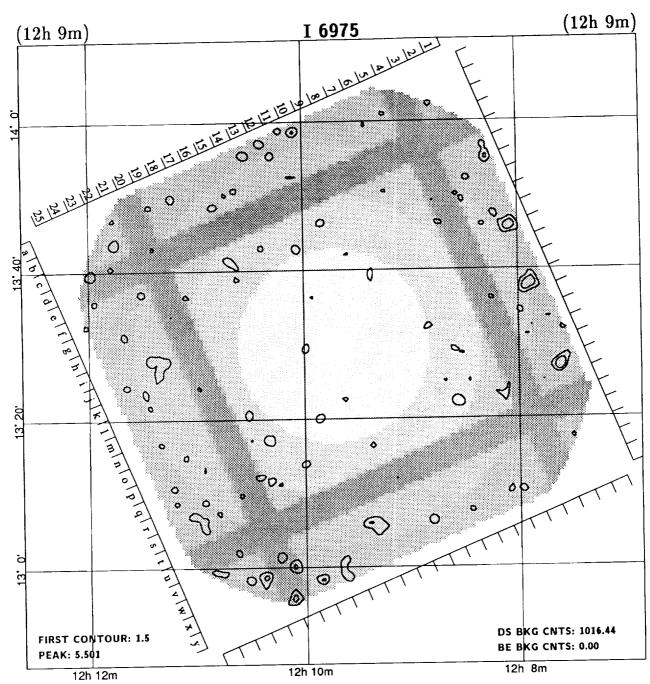
ROLL ANGLE: -117.2°

DATE: 1979/340 - 1979/340

NH: 2.6E+20 REF/ID:

FIELD FLAGS: C

CAT FLD RA DEC ± COUNT ± NET BKG S	S/N SIZE RECO R' SRC ID
# # (1950) (1950) " RATE CTS CTS	COR FLG
2609 1 12 08 51.7 13 26 08 42 0.0093 0.0021 29.4 13.6	4.5 1.0 0 13.2 H
2613 2 12 09 20.6 13 05 23 52 *0.0102 0.0025 23.4 9.6	4.1 0.9 702 24.1 H



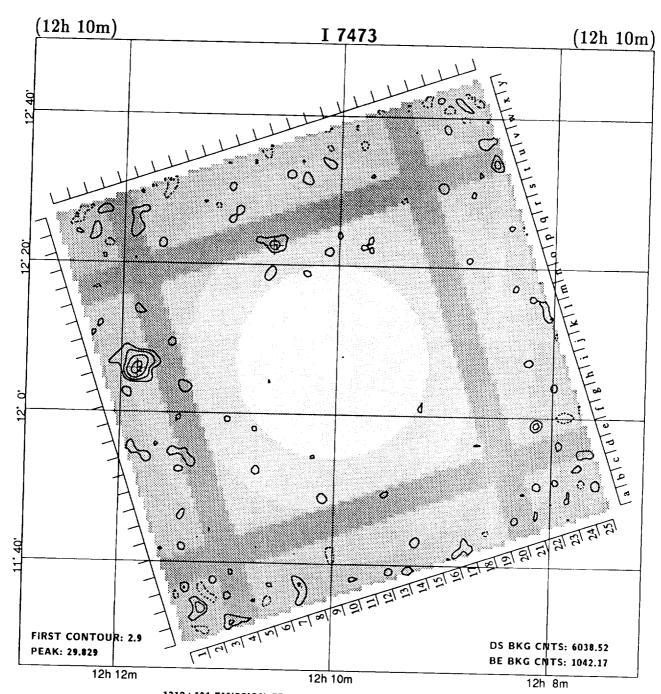
NGC 4165/4164/4168, VIRGO CLUSTER GALAXY SURVEY

FIELD CENTER: 12h09m44.4 13°28'59" (B1950) 12h 12m 17.4s 13° 12' 18" (J2000)

ℓ: 267.68 b: 73.34

DATE: 1980/176 - 1980/176 LIVETIME: 823.7s ROLL ANGLE: 67.2°

NH: 2.6E+20 REF/ID: FIELD FLAGS: CL



1210+121,EMISSION FROM HIGHLY POLARIZED BL LAC OBJECTS

FIELD CENTER: 12^h10^m00.8^s 12°07'38" (B1950) 12^h12^m33.8^s 11°50′58" (J2000)

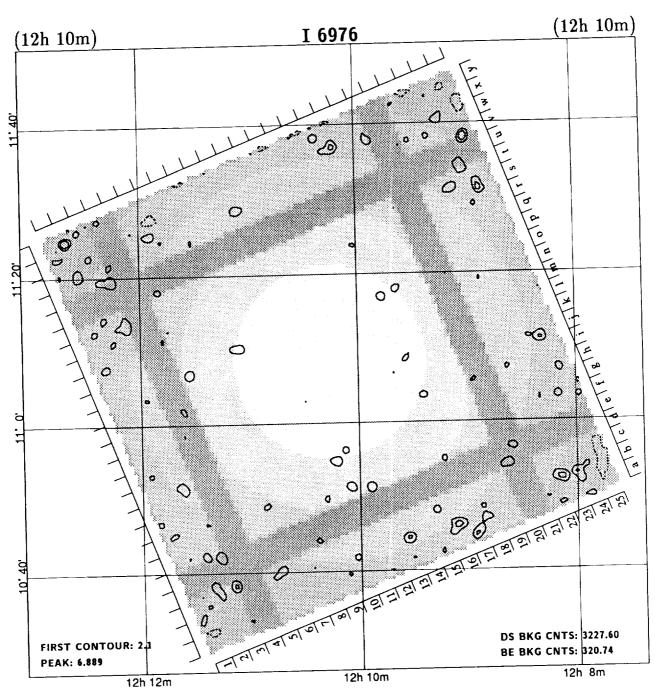
ℓ: 270.21 b: 72.20

DATE: 1981/ 10 - 1981/ 10 LIVETIME: 4893.2s

ROLL ANGLE: -108.6°

NH: 2.3E+20 REF/ID: FIELD FLAGS:

CAT FLD RA DEC COUNT \pm \pm NET BKG S/N SIZE RECO R' SRC ID # (1950)(1950)RATE CTS CTS COR FLG 2616 1 12 10 36.8 12 22 31 55 *0.0074 0.0021 20.0 11.0 3.6 0.9 907 17.5 Н 2621 2 12 11 51.0 12 05 53 0.0368 0.0046 73.0 11.0 8.0 1.4 200 26.8 Н



NGC 4178, VIRGO CLUSTER GALAXY SURVEY

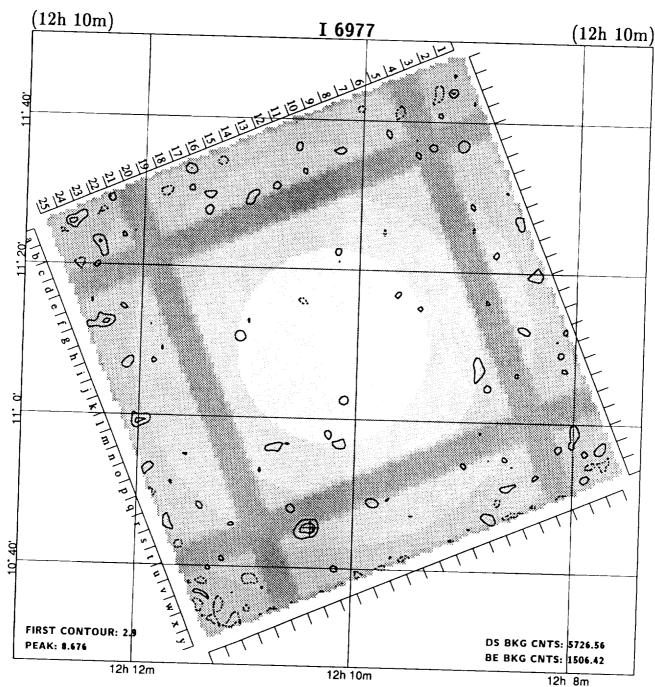
FIELD CENTER: 12^h10^m13.8^s 11°08'47" (B1950) 12h 12m 46.9' 10° 52'07" (12000)

ℓ: 271.86 b: 71.37

DATE: 1979/350 - 1979/351 LIVETIME: 2615.4s

ROLL ANGLE: -111.4°

NH: 2.0E+20 REF/ID: FIELD FLAGS: C



NGC 4178, VIRGO CLUSTER GALAXY SURVEY

FIELD CENTER: 12h10m13.8 11008'47" (B1950) 12h12m46.9s 10°52'07" (J2000)

ℓ: 271.86 b: 71.37

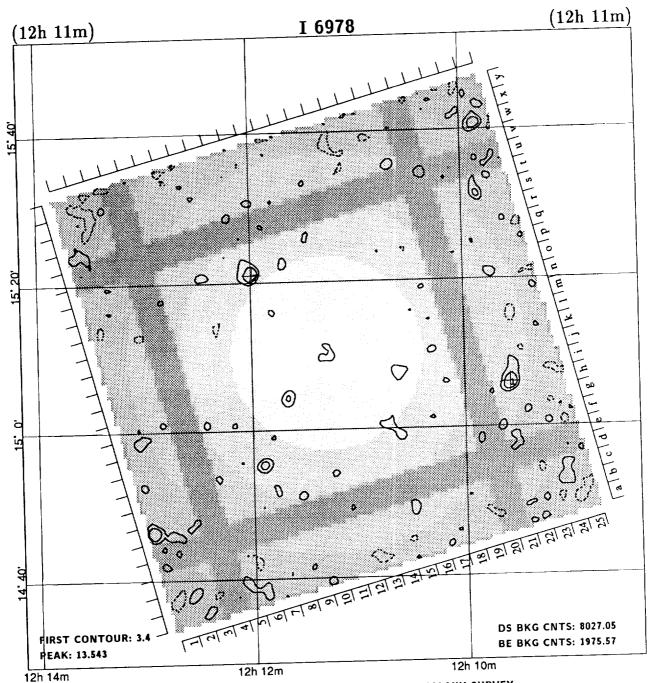
DATE: 1980/177 - 1980/177 LIVETIME: 4640.4s

ROLL ANGLE: 67.2°

NH: 2.0E+20 REF/ID:

FIELD FLAGS: C

											•	
CAT FLD # #	RA (1950)	DEC (1950)	± "	COUNT RATE	±	NET CTS	BKG	S/N		RECO	R'	SRC ID
2615 1	12 10 23.4	10 45 26	61	*0.0106	0.0026	21.7	7.3	4.0	0.9	906	23.5	FLG H



NGC 4192/4192B/4186/4192A,VIRGO CLUSTER GALAXY SURVEY

FIELD CENTER: 12^h11^m15.6^s 15°10'47" (B1950) 12^h13^m48.3^s 14°54'07" (J2000)

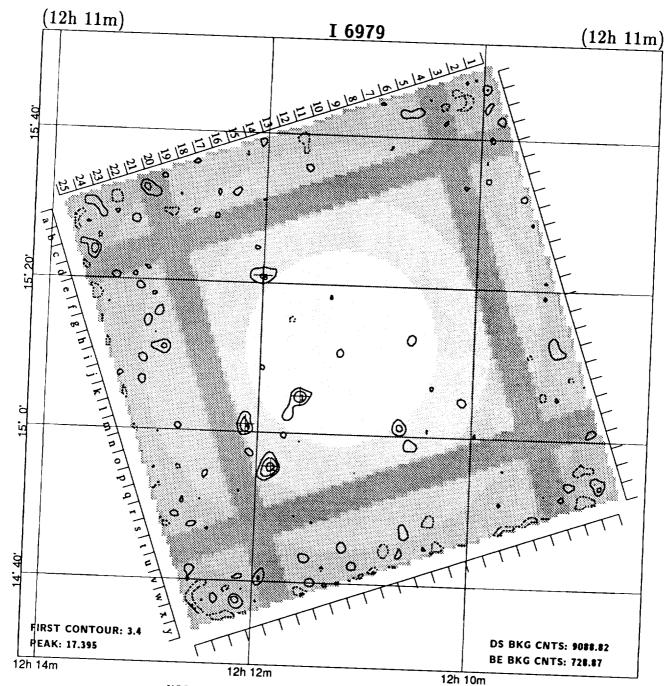
ℓ: 265.43 b: 74.96

DATE: 1979/350 - 1979/350 LIVETIME: 6504.6s

ROLL ANGLE: -105.1°

NH: 2.7E+20 REF/ID: FIELD FLAGS: C

							LNCT	BKG	S/N	SIZE	RECO	R'	SRC	ID
CAT	FLD	RA	DEC	±	COUNT	±	NET		3/14		,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,		FLG	1
\ \tag{\tau}	,	(1950)	(1950)	#	RATE		CTS	CTS		COR				
#_	#	` _			0.0105	0.0024	29.4	16.6	4.3	1.0	0	24.3	ļН	1
2614	1	12 09 34.4	15 05 59	55					4.8	0.9	n	14.7	AH	ŀ
2624	2	12 11 59.2	15 20 59	42	0.0094	0.0020	36.4	21.6	4.0	0.5				
2024					<u> </u>									



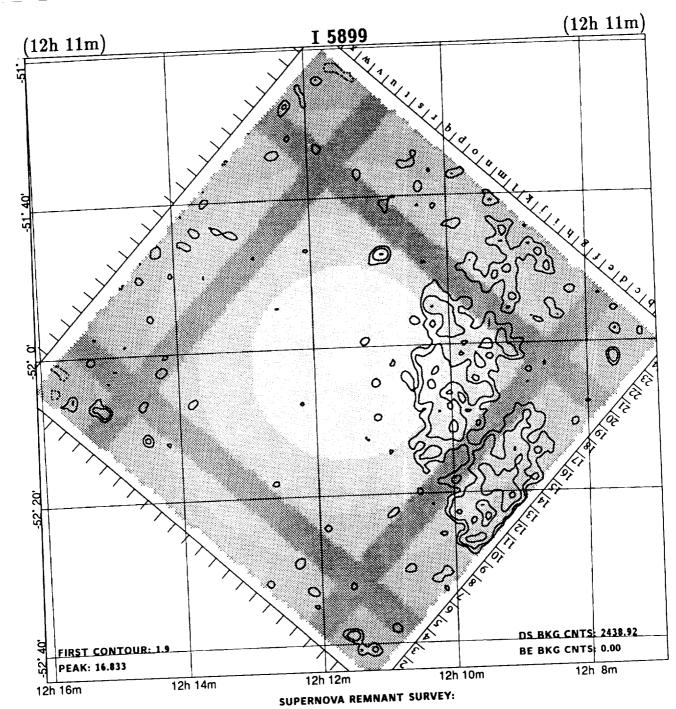
NGC 4192/4192B/4186/4192A,VIRGO CLUSTER GALAXY SURVEY

FIELD CENTER: $12^{h}11^{m}15.6^{s}$ $15^{o}10'47''$ (B1950) $12^{h}13^{m}48.3^{s}$ $14^{o}54'07''$ (J2000) ℓ : 265.43 ℓ : 74.96

DATE: 1980/177 - 1980/177 LIVETIME: 7365.0₅ ROLL ANGLE: 70.9°

NH: 2.7E+20 REF/ID: FIELD FLAGS: C

													-703. C	
CAT	FLD	RA	DEC	+	COUNT		T=							
#	#	(1950)	(1950)	<i>"</i>	RATE	-	NET	BKG	S/N	SIZE	RECO	R'	SRC	ID
2619	1	12 11 36.8		42			CTS	CTS	_	COR			FLG	
2622	2	12 11 52.0			0.0068	0.0015	33.8	23.2	4.5	1.0	0	7.9	Н	
2624	3				0.0110	0.0020	43.3	18.7	5.5	0.9	100	17.5	н	
2625	4	12 12 00.4			0.0059	0.0016	25.8	21.2	3.8	1.1	0	14.1	AH	
	لــــــــــــــــــــــــــــــــــــــ	12 12 07.1	15 01 02	55	*0.0059	0.0016	24.8	18.2	3.8	0.8	703	15.9		
											-103	15.9	Н	i



FIELD CENTER: 12^h11^m31.2^s -52°01'35" (B1950)

12^h14^m09.7^s -52°18'16" (J2000)

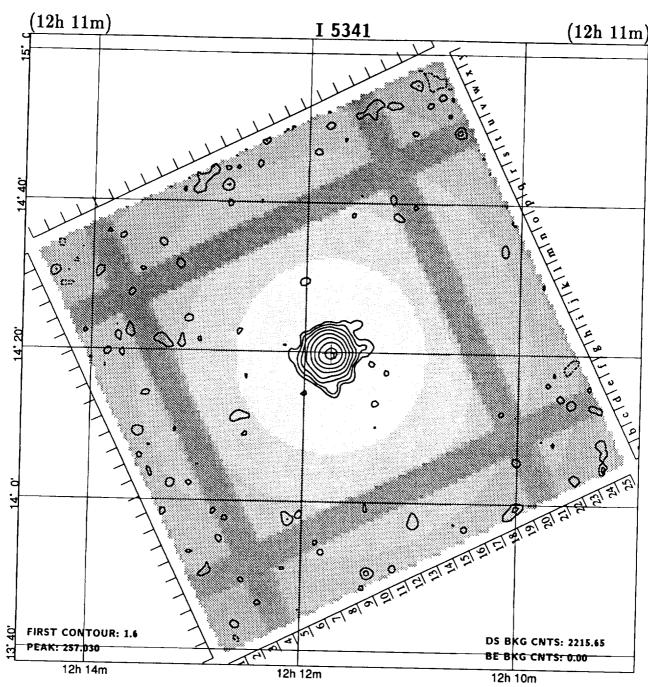
ℓ: 297.16 b: 10.15

DATE: 1980/ 38 - 1980/ 38 LIVETIME: 1976.3s

ROLL ANGLE: -137.7°

NH: 1.1E+21 REF/ID:

FIELD FLAGS: LS



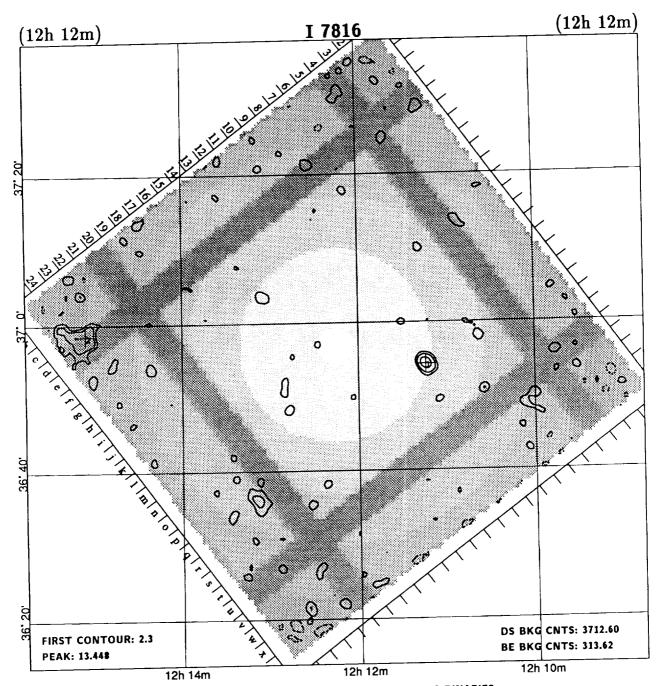
SURVEY OF BRIGHT QUASARS (PG)

FIELD CENTER: $12^{h}11^{m}45.4^{s}$ $14^{o}19'55''$ (B1950) $12^{h}14^{m}18.2^{s}$ $14^{o}03'15''$ (J2000) ℓ : 267.56 b: 74.32

DATE: 1980/346 - 1980/346 LIVETIME: 1795.46 ROLL ANGLE: -116.2°

NH: 2.7E+20 REF/ID: FIELD FLAGS: L

	CAT #	FLD #	(1950)	DEC (1050)	± "	COUNT	±	NET	BKG	S/N	SIZE	RECO	R'	SRC	ID
-	2622	#		(1950)		RATE		CTS	CTS		COR			FLG	
l	2620	IL	12 11 45.3	14 19 48	31	0.689	0.030	922.6	292.4	22.5	1.7	0	0.2	A	Q



HZ 22,X-RAY EMITTING EVOLVED ECLIPSING BINARIES

FIELD CENTER: 12^h12^m16.0^s 36°55'59" (B1950) 12h14m46.8 36°39'19" (J2000)

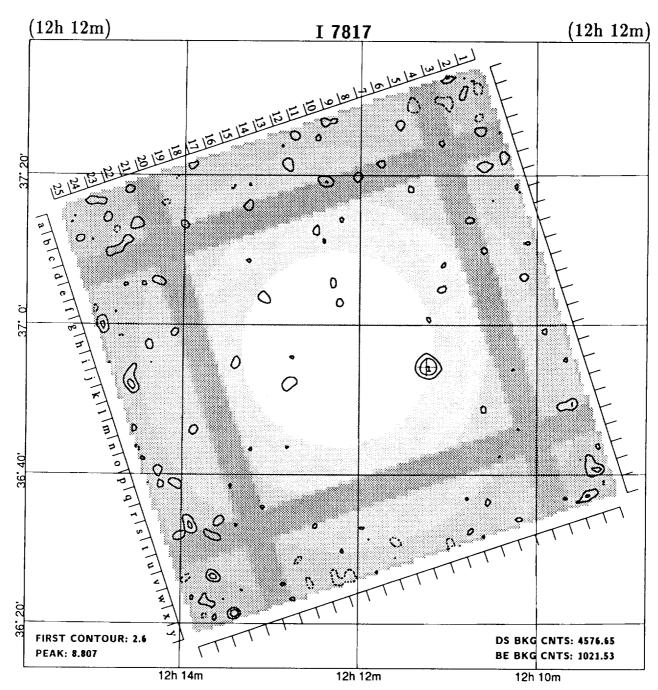
ℓ: 159.83 b: 77.71

DATE: 1980/144 - 1980/144 LIVETIME: 3008.5s

ROLL ANGLE: 53.3°

NH: 1.7E+20 REF/ID: FIELD FLAGS: C

{	CAT	FLD	RA (1050)	DEC (1950)	± "	COUNT	±	NET CTS	BKG CTS	S/N	SIZE COR	RECO	R'	SRC ID FLG	
	# 2617	#	(1950) 12 11 14.1	_ `	41	0.0220	0.0038	41.9	9.1	5.9	0.9	0	12.2	Α	
ļ	2617 2640	2	l .	36 58 28		*0.0201	0.0054	17.4	4.6	3.7	2.3	1209	33.3	Н	┙



HZ 22,X-RAY EMITTING EVOLVED ECLIPSING BINARIES

FIELD CENTER: 12h12m16.0 36055'59" (B1950) 12^h14^m46.8^s 36°39'19" (J2000)

ℓ: 159.83 b: 77.71

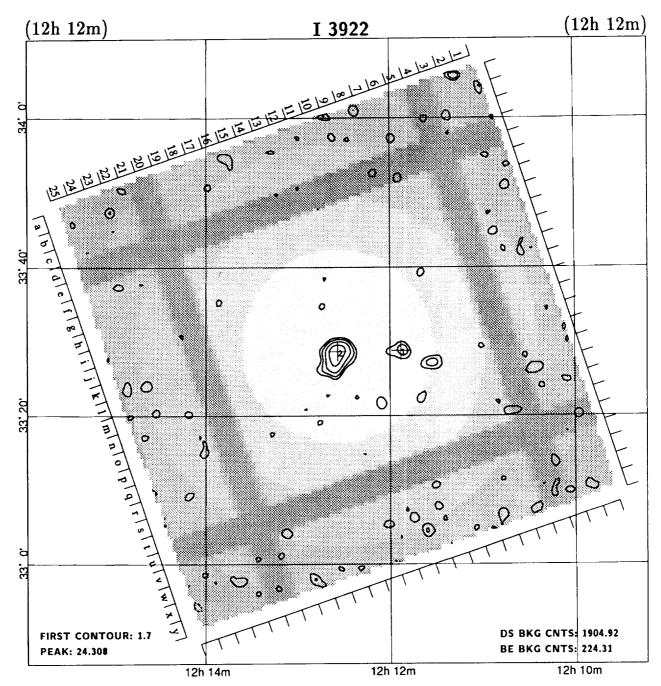
DATE: 1980/177 - 1980/177 LIVETIME: 3708.6s

ROLL ANGLE: 71.5°

NH: 1.7E+20 REF/ID:

FIELD FLAGS: C

CAT	FLD	RA	DEC	±	COUNT	±	NET	BKG	S/N	SIZE	RECO	R'	SRC	ID
#	#	(1950)	(1950)	"	RATE		CTS	CTS		COR			FLG	
2617	1	12 11 14.5	36 54 28	42	0.0144	0.0028	34.1	10.9	5.1	1.0	0	12.2	Α	



NGC 4203 HALO

FIELD CENTER: 12^h12^m34.2^s 33°28'41" (B1950) 12^h15^m05.3^s 33°12'01" (J2000)

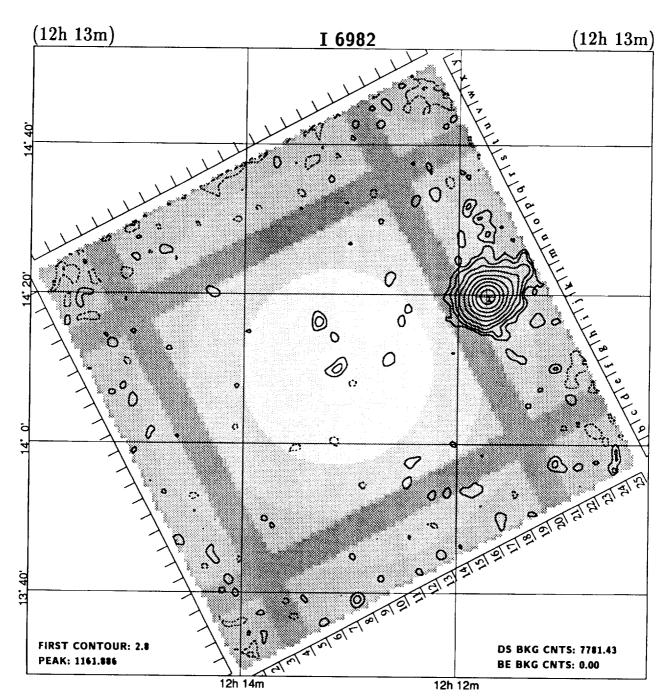
ℓ: 173.01 b: 80.08

DATE: 1980/178 - 1980/178

ROLL ANGLE: 71.4°

NH: 1.2E+20 REF/ID: FIELD FLAGS:

CAT	FLD	RA	DEC	±	COUNT	±	NET	BKG	S/N	SIZE	RECO	R'	SRC	D
#	#	(1950)	(1950)	"	RATE		CTS	CTS		COR			FLG	
2623	1	12 11 53.0	33 28 47	45	0.0161	0.0045	17.0	5.0	3.6	0.8	0	8.4	Н	
2626	2	12 12 34.3	33 28 38	31	0.0912	0.0091	104.8	5.2	10.0	1.5	0	0.2	Н	G



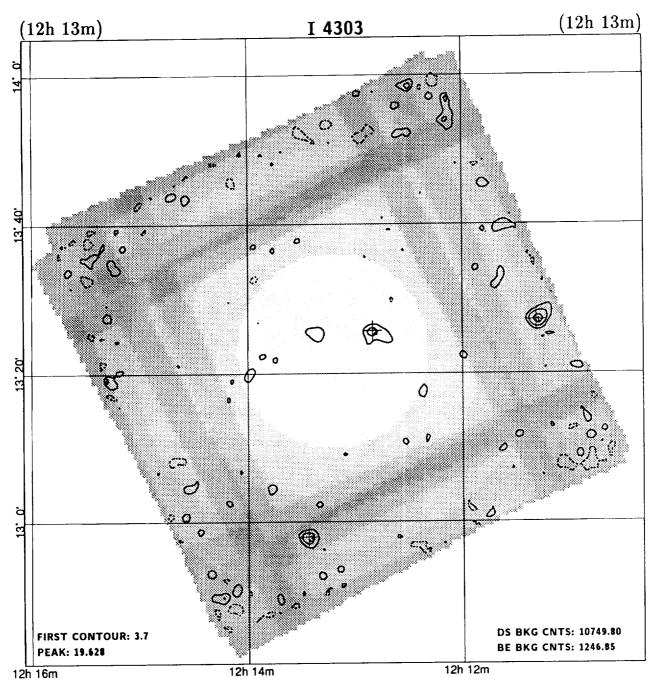
NGC 4212, VIRGO CLUSTER GALAXY SURVEY

FIELD CENTER: 12h13m06.6 14010'47" (B1950) 12h15m39.3 13°54'07" (J2000)

DATE: 1979/339 - 1979/339 ℓ: 268.89 b: 74.36

LIVETIME: 6305.6s ROLL ANGLE: -117.9° NH: 2.8E+20 REF/ID: FIELD FLAGS: L

	CAT	FLD	RA	DEC	±	COUNT	±	NET	BKG	S/N	SIZE	RECO	R'	SRC	ID
Ĺ	#	#	(1950)	(1950)	"	RATE		CTS	CTS		COR			FLG	
L	2620	1L	12 11 44.3	14 19 44	47	0.906	0.022	2700.9	569.1	40.8	1.6	100	21.8	Α	Q

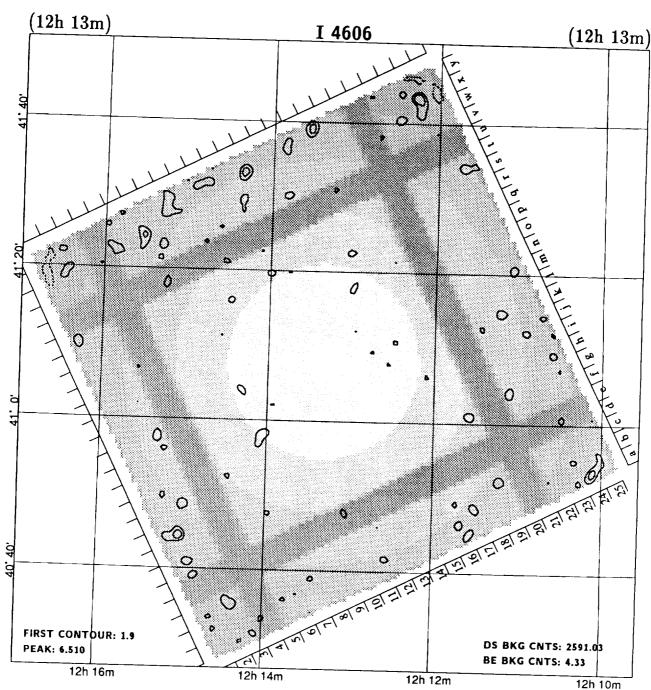


VIRGO CLUSTER FOLLOW-UP: NGC 4216 4206

FIELD CENTER: 12^h13^m12.0^s 13°22'59" (B1950) 12^h15^m44.7^s 13°06'19" (J2000)

12^h 15^m 44.7^s 13°06′19″ (J2000) ℓ: 270.41 b: 73.68 DATE: 1979/340 - 1980/177 LIVETIME: 8710.9s NH: 2.8E+20 REF/ID: FIELD FLAGS:

R' SRC ID SIZE RECO COUNT NET BKG **±** RA DEC ± CAT FLD COR FLG CTS CTS (1950)RATE (1950)27.9 Н 0 12 11 19.0 13 27 08 0.0099 0.0021 33.4 18.6 4.6 0.9 51 2618 1 Н 29.8 4.2 1.0 0 5.8 0.0054 0.0013 33.2 2627 2 12 12 50.2 13 25 42 42 1609 25.2 Н 4.0 0.7 12 13 26.5 12 57 55 56 *0.0067 0.0017 24.8 14.2 2632

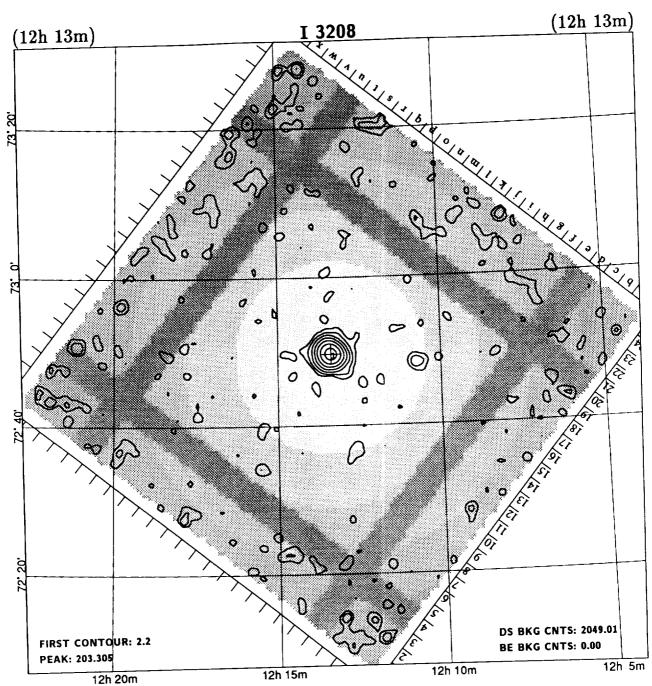


MKN 437: S-TYPE MARKARIAN GALAXY

FIELD CENTER: $12^{h}13^{m}15.8^{s}$ $41^{o}08'45''$ (B1950) $12^{h}15^{m}45.9^{s}$ $40^{o}52'05''$ (J2000) ℓ : 148.81 b: 74.42

DATE: 1979/346 - 1979/346 LIVETIME: 2099.68 ROLL ANGLE: -116.4°

NH: 1.8E+20 REF/ID: FIELD FLAGS:



RS CVN SYSTEMS: HR 4665

FIELD CENTER: 12^h13^m21.4^s 72°49'44" (B1950) 12^h15^m41.5^s 72°33'04" (J2000)

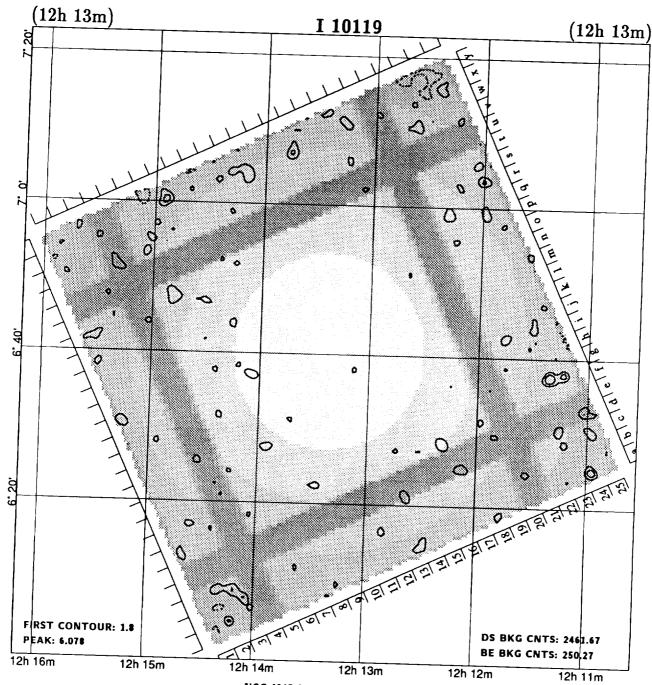
ℓ: 126.66 b: 44.32

DATE: 1979/316 - 1979/316 LIVETIME: 1660.46

ROLL ANGLE: -141.6°

NH: 1.7E+20 REF/ID: FIELD FLAGS: L

CAT FLD	RA	DEC (1950)	± "	COUNT	±	NET CTS	BKG CTS	S/N	SIZE	RECO	R'	SRC FLG	ID
# # 2631 1L	(1950) 12 13 22.1		31	0.606	0.027	749.6	90.4	22.7	1.2	0	0.1		CV

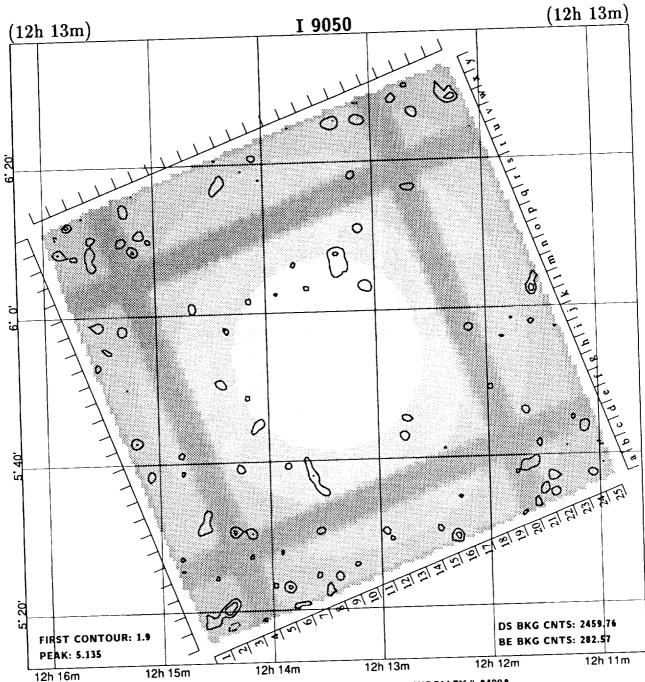


NGC 4215,ACTIVE SO GALAXIES

FIELD CENTER: $12^h 13^m 22.0^s 06^o 40'47''$ (B1950) $12^h 15^m 55.2^s 06^o 24'07''$ (J2000) ℓ : 279.17 b: 67.62

DATE: 1980/346 - 1980/346 LIVETIME: 1994.86 ROLL ANGLE: -115.1°

NH: 1.5E+20 REF/ID: FIELD FLAGS:



SPECTROSCOPIC BINARIES WITHIN 25 Pc: WOOLLEY# 9400A

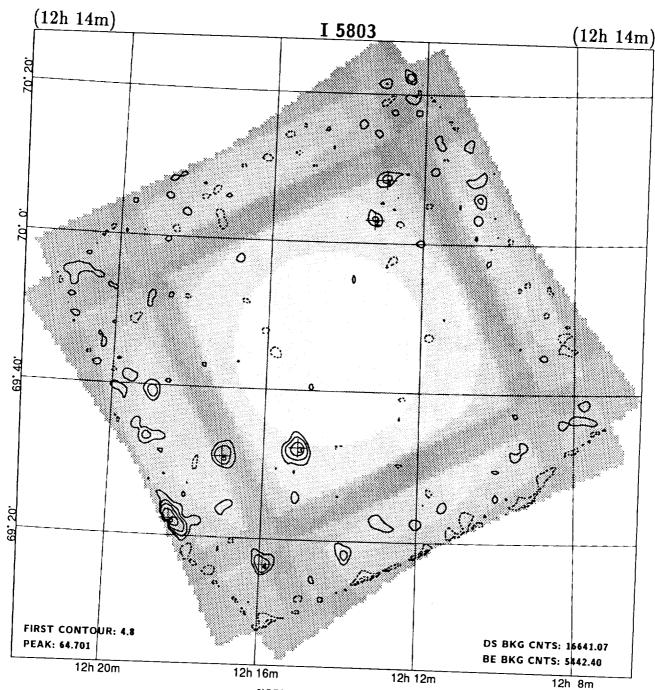
FIELD CENTER: 12^h13^m26.0^s 05°55'05" (B1950) 12^h15^m59.3^s 05°38'25" (J2000)

ℓ: 279.91 b: 66.91

DATE: 1980/346 - 1980/346 LIVETIME: 1993.26

ROLL ANGLE: -111.0°

NH: 1.5E+20 REF/ID: FIELD FLAGS:



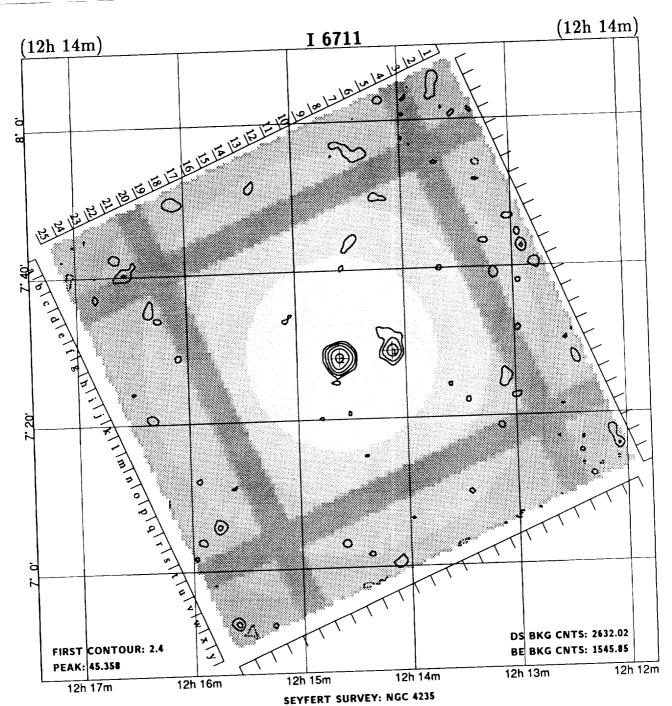
NORMAL GALAXIES: N4236

FIELD CENTER: $12^{h}14^{m}19.0^{s}$ $69^{o}44'59''$ (B1950) $12^{h}16^{m}40.6^{s}$ $69^{o}28'19''$ (J2000) ℓ : 127.42 b: 47.35

DATE: 1980/145 - 1980/157 LIVETIME: 13484.8s

NH: 1.8E+20 REF/ID: FIELD FLAGS:

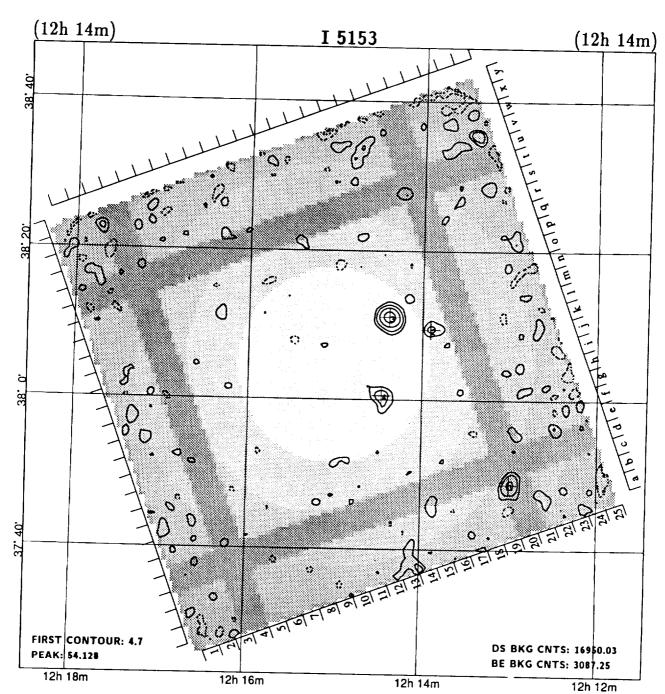
CAT	FLD	RA	DEC	±	COUNT	±	NET	Buco						
#	#	(1950)	(1950)	"	RATE		NET		S/N	SIZE	RECO	R'	SRC	ID
2629	1	12 12 59.9	_`_	60	+		CTS	CTS		COR			FLG	
2630	2	12 13 17.6			*0.0053	0.0013	32.2	30.8	4.1	0.7	802	24.2	Н	
2641	3				0.0042	0.0012	30.9	41.1	3.6	0.6	0	19.0	''	
2647		12 15 06.8			0.0123	0.0015	101.2	49.8	8.2	1.1	^			
1	4	12 15 55.1			*0.0072	0.0016	33.8	22.2			U	13.2	Н	S
2657	5	12 17 04.3	69 30 50	55	*0.0071	0.0013			4.5	0.9	1509	29.7	1	
2667	6	12 18 22.6	69 22 16	48	*0.0504		48.1	23.9	5.7	1.0	1108	20.2		0
					0.0504	0.0048	127.9	22.1	10.4	1.7	1208	31.1	FH	•



FIELD CENTER: $12^{h}14^{m}36.0^{s}$ $07^{o}27'59''$ (B1950) $12^{h}17^{m}09.1^{s}$ $07^{o}11'20''$ (J2000) ℓ : 279.18 b: 68.46

DATE: 1980/176 - 1980/176 LIVETIME: 2132.8s ROLL ANGLE: 66.7° NH: 1.5E+20 REF/ID: FIELD FLAGS: L

٢	CAT	FLD	RA	DEC	± "	COUNT	±	NET CTS	BKG CTS	S/N	SIZE COR	RECO	R'	SRC FLG	ID
	#	#	(1950)	(1950)			0.0062	44.5	17.5	4.7	1.1	0	7.2	İ	
r	2634		12 14 07.4			0.0299	=	178.3	31.7	10.6	1.2	0	0.3		
1	2637	2L	12 14 36.5	07 28 13	31	0.112	0.010	170.5							



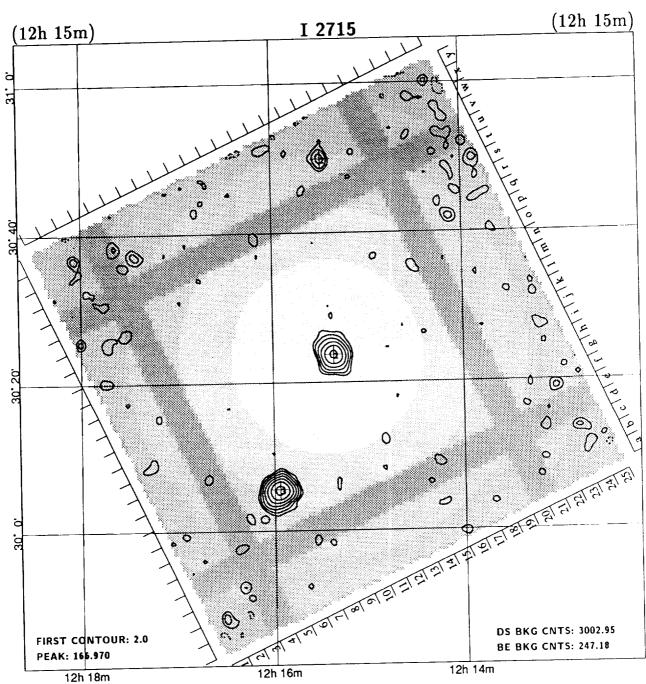
NGC 4244, GASEOUS HALOES OF GALAXIES

FIELD CENTER: $12^{h}14^{m}59.0^{s}$ $38^{\circ}05'11''$ (B1950) $12^{h}17^{m}29.0^{s}$ $37^{\circ}48'32''$ (J2000) ℓ : 154.57 b: 77.15

DATE: 1979/346 - 1979/348 LIVETIME: 13735.16 ROLL ANGLE: -110.2°

NH: 1.9E+20 REF/ID: FIELD FLAGS:

CAT	FLD	RA	DEC	±	COUNT	+	NET	BKG	S/N	6176	DECO			
#	#	(1950)	(1950)	"	RATE	_		CTS		1	RECO	R'	SRC	ID
2628	1	12 12 59.6	37 48 52	55	*0.0089	0.0016	45.4	19.6		COR			FLG	
2633	2	12 13 54.6			0.0043	0.0010	35.5		5.6	1.0	1308	28.4		*
2635	3	12 14 23.0			0.0043			39.5	4.1	0.7	100	13.7	н	
2636	4	12 14 27.8				0.0017	192.2	44.8	12.5	1.1	0	9.2	н	BL
		22 27 27.0	30 00 32	-1	0.0062	0.0011	58.8	51.2	5.6	0.9	0	7.8	н	*



QUASAR SURVEY: ON 325

FIELD CENTER: 12^h15^m24.0^s 30°23′59″ (B1950) 12^h17^m54.9^s 30°07'20" (J2000)

ℓ: 188.81 *b*: 82.06

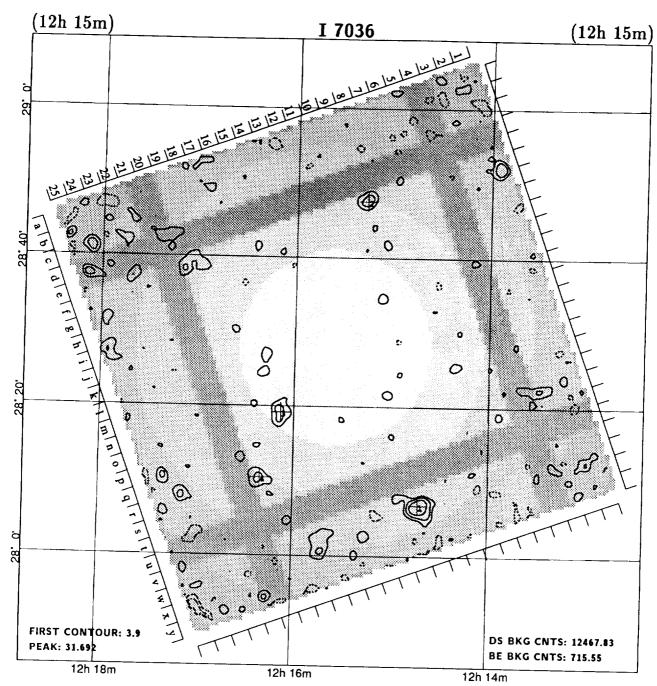
DATE: 1979/350 - 1979/350

LIVETIME: 2433.4s

ROLL ANGLE: -115.2°

NH: 1.6E+20 REF/ID: FIELD FLAGS:

													_ ,			
1	CAT	FLD	RA	DEC	+	COUNT	±	NET	BKG	S/N	SIZE	RECO	R'	SRC	ID	
1	CAT	FLU	l		11	RATE		CTS	CTS		COR		i	FLG		
	#	#	(1950)	(1950)						17.2	12	0	0.6	AH		1
	2644	1	12 15 21.7	30 23 40	31	0.1709	0.0099	309.4	8.6	17.3	1.2	-				
	2645	2	12 15 28.6	30 49 53	53	0.0184	0.0049	18.2	4.8	3.8	0.8	0	26.0	Н		
	_	2				0.361	0.017	462.3	5.7	21.4	1.2	0	19.6	AH	SY	
	2648	3	12 15 56.4	30 05 33	4/	0.301	0.011									_



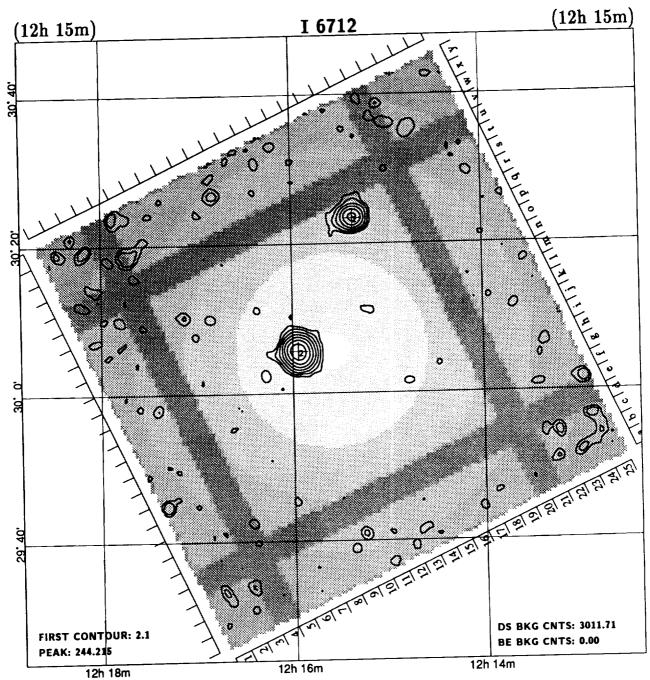
NGC 4251, EARLY GALAXY SURVEY

FIELD CENTER: $12^h 15^m 36.0^s$ $28^o 27' 10''$ (B1950) $12^h 18^m 07.1^s$ $28^o 10' 31''$ (J2000) ℓ : 202.93 b: 82.55

DATE: 1980/179 - 1980/179 LIVETIME: 10103.06 ROLL ANGLE: 70.2°

NH: 1.8E+20 REF/ID: ! FIELD FLAGS:

CAT	F. 5													
CAT	FLD	RA	DEC	±	COUNT	±	NET	BKG	S/N	SIZE	RECO	R'	CDC	
#	#	(1950)	(1950)	"	RATE		CTS	CTS	57.1	l	KLCO	ĸ	SRC	ID
2638	1	12 14 42 7	20.05.40				C13	<u>C13</u>		COR			FLG	
1	1	12 14 42.7	28 06 49	50	0.0183	0.0023	82.3	21.7	8.1	1.1	100	23.2	Н	
2642	2	12 15 16.4	28 47 27	55	0.0064	0.0014				1	100	23.2	"	
20.40		f			0.0004	0.0014	33.0	19.0	4.6	0.7	400	20.6	Ιн	
2649	3	12 16 08.1	28 19 10	43	0.0062	0.0013	40.9	26.1	5.0	م م	_			
2651	4	12 16 20.5	20 10 20				1 10.5	20.1	3.0	0.9	U	11.2	Н	S
		12 10 20.3	28 10 26	57	*0.0053	0.0013	27.1	19.9	3.9	0.8	703	19.4	ы	



SEYFERT SURVEY: MKN 766

FIELD CENTER: 12^h15^m36.0^s 30°05'59" (B1950) 12^h18^m06.9^s 29°49'20" (J2000)

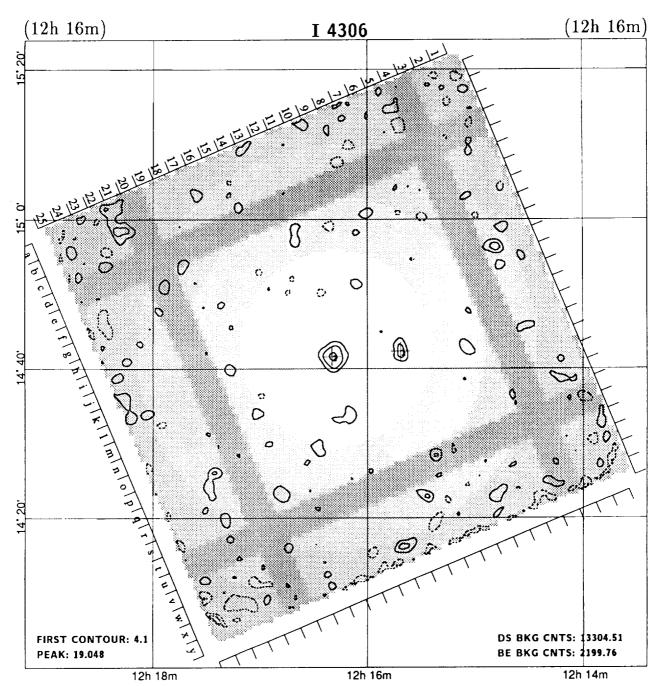
l: 190.78 *b*: 82.20

DATE: 1979/350 - 1979/350 LIVETIME: 2440.5s

ROLL ANGLE: -115.2°

NH: 1.7E+20 REF/ID: FIELD FLAGS: L

CAT	FLD	RA (1050)	DEC (1950)	± "	COUNT	±	NET CTS	BKG CTS	S/N	SIZE	RECO	R'	SRC FLG	ID
2644	# 1L	(1950) 12 15 21.4		47	0.175	0.013	230.6	10.4	13.2	1.1	0	17.7	A	SY
2648	2L	12 15 56.5	30 05 35	31	0.537	0.021	939.5	114.5	25.4	1 1.3	_ ` _	4.5	<u> </u>	



VIRGO CLUSTER FOLLOW-UP: NGC 4254

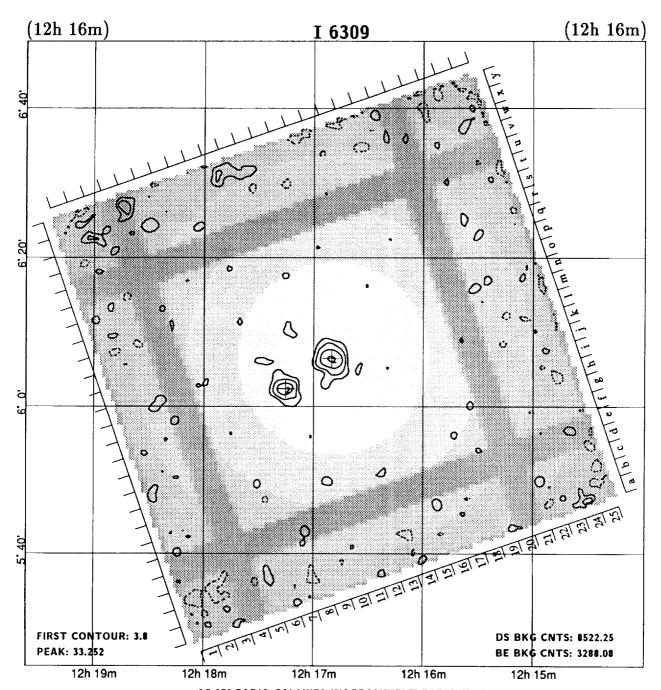
FIELD CENTER: $12^h 16^m 18.0^s$ $14^o 41'59''$ (B1950) $12^h 18^m 50.4^s$ $14^o 25'20''$ (J2000) ℓ : 270.43 b: 75.20

LIVETIME: 10781.0s ROLL ANGLE: 67.3°

DATE: 1980/177 - 1980/177

NH: 2.8E+20 REF/ID: FIELD FLAGS:

CAT	FLD	RA	DEC	±	COUNT	±	NET	BKG	S/N	SIZE	RECO	R'	SRC	ā
#	#	(1950)	(1950)	"	RATE		CTS	CTS		COR			FLG	
2646	1	12 15 41.3	14 42 22	42	0.0059	0.0012	43.6	37.4	4.8	0.7	0	8.7	Н	
2650	2	12 16 19.8	14 41 37	34	0.0100	0.0014	79.7	40.3	7.3	1.1	0	0.6	Н	



3C 270, RADIO GALAXIES W/ PROMINENT RADIO JETS

FIELD CENTER: 12^h16^m48.0^s 06°06'59" (B1950) 12^h19^m21.2^s 05°50'20" (J2000)

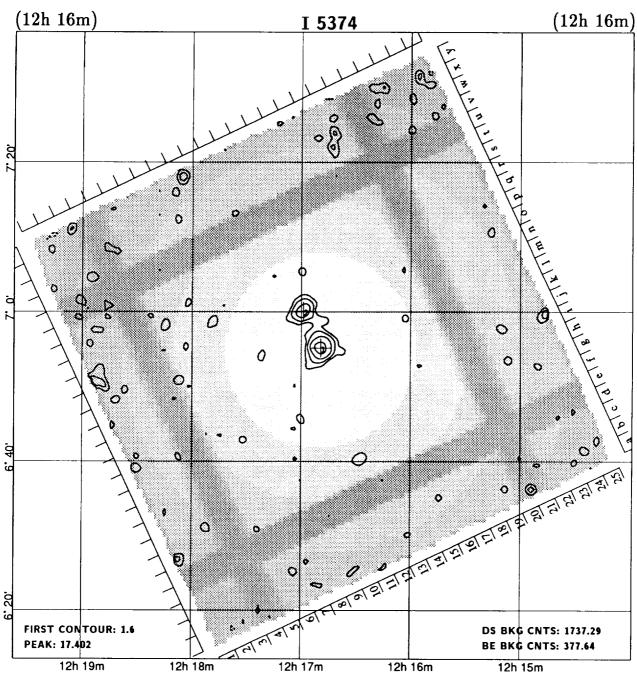
ℓ: 281.77 b: 67.38

DATE: 1980/347 - 1980/347 LIVETIME: 6905.9s

ROLL ANGLE: -109.0°

NH: 1.6E+20 REF/ID: FIELD FLAGS: L

CAT FLD RA DEC \pm COUNT 土 NET BKG S/N SIZE RECO R' SRC ID # (1950) (1950)RATE CTS CTS COR FLG 2655 1L 12 16 50.1 06 06 24 31 0.0032 0.0204 105.0 76.0 6.3 1.5 0 8.0 2658 12 17 15.4 06 02 23 0.0172 0.0028 81.7 42.3 8.5 6.0 1.3 0

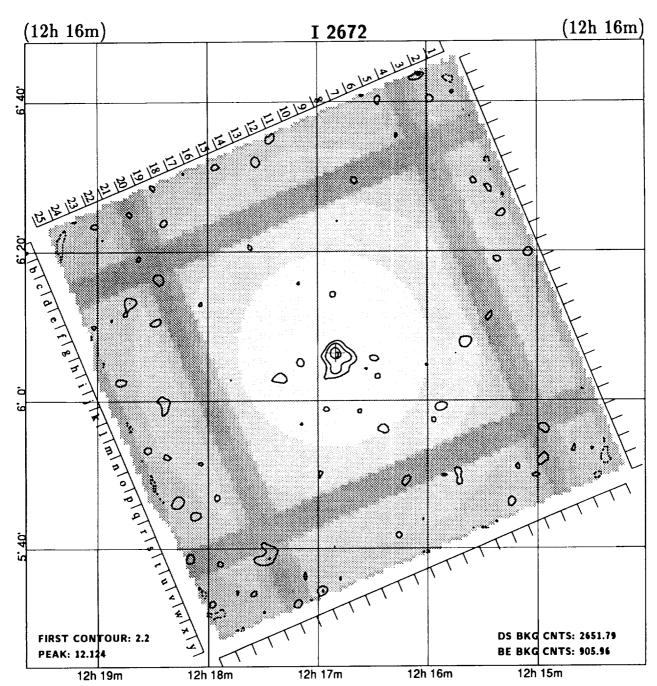


SURVEY OF BRIGHT QUASARS (PG)

FIELD CENTER: $12^h 16^m 48.2^s 06^\circ 55' 25''$ (B1950) $12^h 19^m 21.3^s 06^\circ 38' 46''$ (J2000) ℓ : 281.07 b: 68.15

DATE: 1980/346 - 1980/346 LIVETIME: 1407.8s ROLL ANGLE: -115.3° NH: 1.6E+20 REF/ID: FIELD FLAGS:

CAT	FLD	RA	DEC	±	COUNT	±	NET	BKG	S/N	SIZE	RECO	R'	SRC	ID
#	#	(1950)	(1950)	"	RATE		стѕ	CTS		COR			FLG	
2654	1	12 16 49.2	06 55 07	32	0.0740	0.0087	77.8	5.2	8.5	2.0	0	0.4	Н	Q
2656	2	12 16 58.8	07 00 06	41	0.0450	0.0071	44.8	5.2	6.3	4.0	0	5.6	н	



3C 270.0: BRIGHT X-GALACTIC RADIO SOURCES

FIELD CENTER: 12^h16^m50.1^s 06°06′08" (B1950) 12^h19^m23.3^s 05°49′29" (J2000)

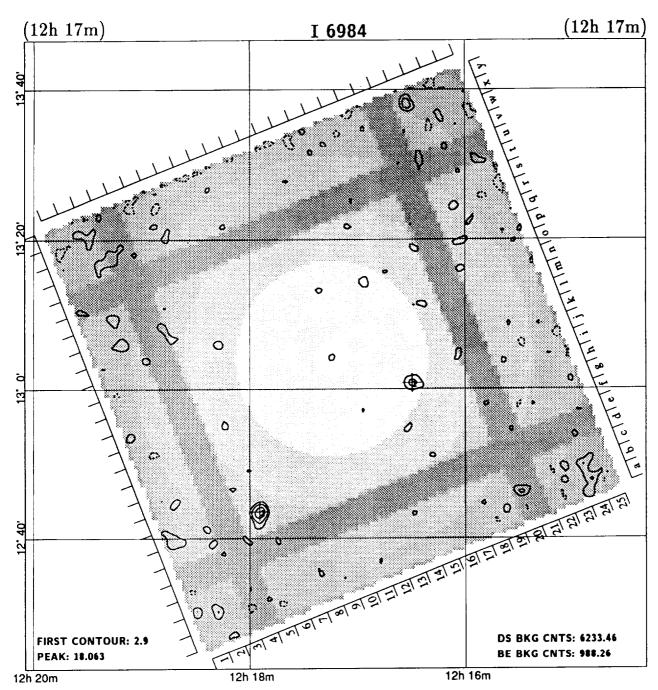
ℓ: 281.81 b: 67.37

DATE: 1979/181 - 1979/181 LIVETIME: 2148.8s

ROLL ANGLE: 67.2°

NH: 1.6E+20 REF/ID: FIELD FLAGS:

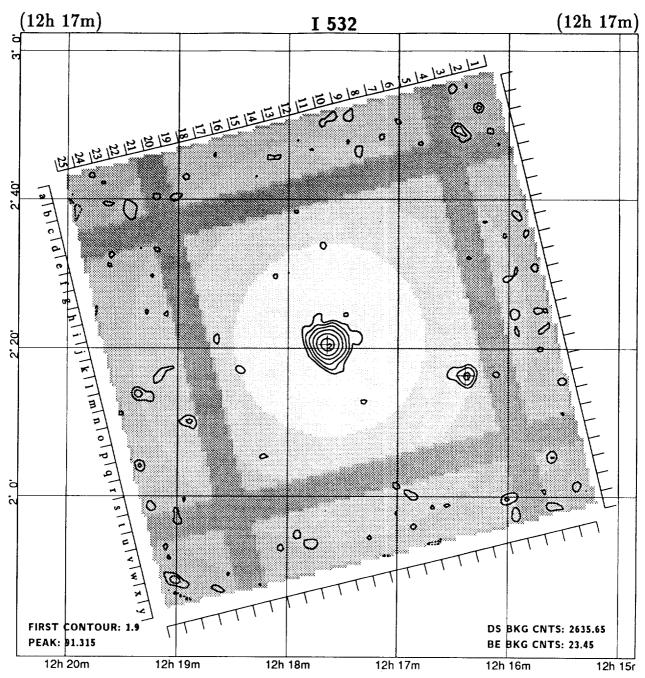
CAT	FLD	RA	DEC	±	COUNT	±	NET	BKG	S/N	SIZE	RECO	R'	SRC	ID
#	#	(1950)	(1950)	"	RATE		CTS	CTS		COR			FLG	
2655	1	12 16 50.3	06 06 23	35	0.0281	0.0046	45.1	8.9	6.1	1.5	0	0.2	AH	G



NGC 4267, VIRGO CLUSTER GALAXY SURVEY

FIELD CENTER: $12^h 17^m 12.6^s 13^o 04'35''$ (B1950) $12^h 19^m 45.1^s 12^o 47'57''$ (J2000) ℓ : 274.01 b: 73.86 DATE: 1979/351 - 1979/351 LIVETIME: 5051.2s ROLL ANGLE: -111.4° NH: 2.8E+20 REF/ID: FIELD FLAGS:

CAT	FLD	RA	DEC	±	COUNT	±	NET	BKG	S/N	SIZE	RECO	R'	SRC	ID
#	#	(1950)	(1950)	"	RATE		CTS	CTS		COR			FLG	
2653	1	12 16 29.4	13 00 50	45	0.0073	0.0020	24.0	17.0	3.7	0.6	0	11.1		
2662	2	12 17 54.4	12 43 38	50	0.0143	0.0029	33.8	13.2	4.9	0.9	0	23.1	Н	



QSO 1217+023 QUASAR SURVEY

FIELD CENTER: 12h17m38.3 02°20'20" (B1950) 12^h 20^m 11.8^s 02°03'42" (J2000)

ℓ: 284.99 *b*: 63.84

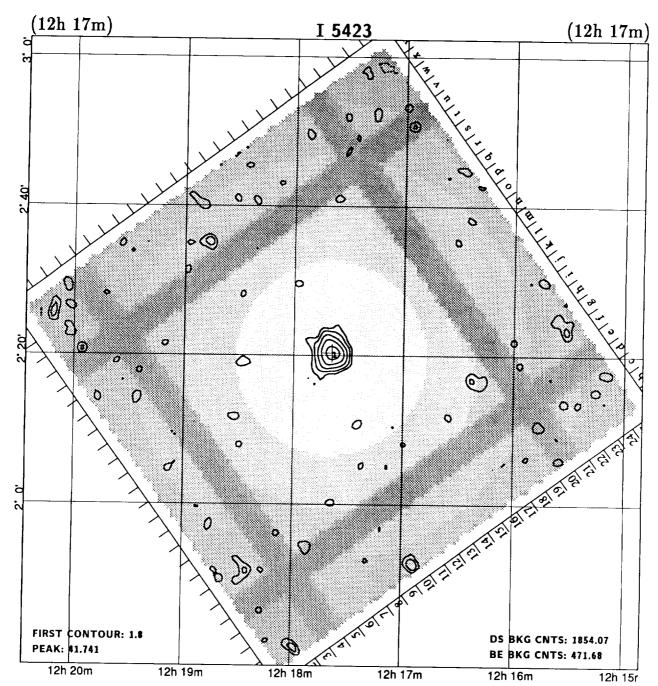
DATE: 1979/171 - 1979/171 LIVETIME: 2135.7s

ROLL ANGLE: 76.1°

NH: 1.9E+20 REF/ID:

FIELD FLAGS: C

CAT	FLD	RA	DEC	±	COUNT	±	NET	BKG	S/N	SIZE	RECO	R'	SRC	ID
#	#	(1950)	(1950)	"	RATE		стѕ	CTS		COR			FLG	
2652	1	12 16 23.3	02 16 21	51	0.0210	0.0047	23.7	4.3	4.5	1.0	0	19.2	Н	
2661	2	12 17 38.6	02 20 30	31	0.251	0.013	399.4	6.6	19.8	1.4	0	0.2	AH	Q



ON 029,LONG OBS. OF HIGH COUNT QUASARS

FIELD CENTER: 12h17m38.3 02°20'20" (B1950) 12^h20^m11.8^s 02°03'42" (J2000)

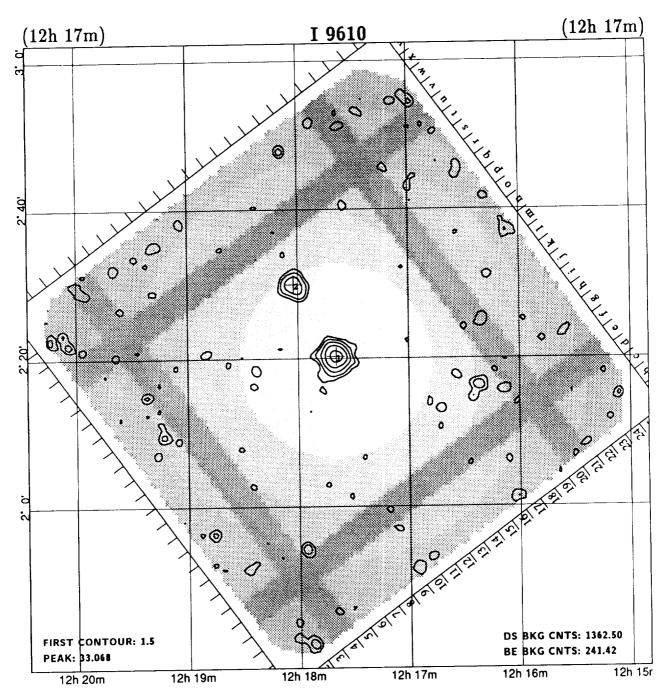
ℓ: 284.99 b: 63.84

DATE: 1980/347 - 1980/347 LIVETIME: 1502.4s

ROLL ANGLE: -126.3°

NH: 1.9E+20 REF/ID: FIELD FLAGS: CL

# # (1950) (1950) " RATE CTS CTS COR FLG	П	CAT	FLD	RA	DEC		COUNT		1457	5						
2661 11 12 17 20 1 02 20 10 21 10 20	- [0, 11	1 20	ŀ	DEC	I	COUNT	=	NET	BKG	S/N	SIZE	RECO	R'	SRC	ID
2661 1L 12 17 39.1 02 20 19 31 0.124 0.015 139.3 53.7 8.4 1.5 0 0.3 A 0.0	L	#	#	(1950)	(1950)	"	RATE		CTS	CTS		COR			FLG	
	L	2661	1L	12 17 39.1	02 20 19	31	0.124	0.015	139.3	53.7	8.4	1.5	0	0.3	A	



ON 029,LONG OBS. OF HIGH COUNT QUASARS

FIELD CENTER: 12h17m38.3 02°20'20" (B1950) 12h 20m 11.8s 02°03'42" (J2000)

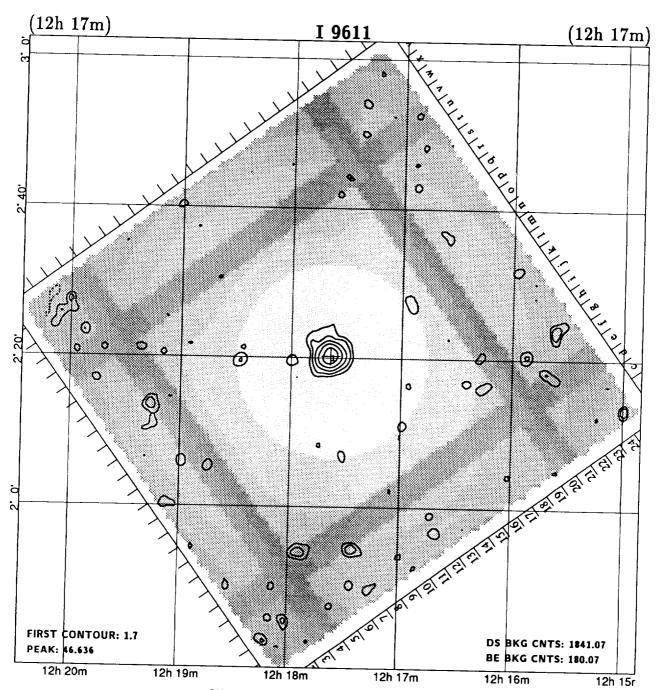
ℓ: 284.99 b: 63.84

DATE: 1980/348 - 1980/348 LIVETIME: 1104.1s

ROLL ANGLE: -126.3°

NH: 1.9E+20 REF/ID: FIELD FLAGS: C

			_									-7		
CAT	FLD	RA	DEC	±	COUNT	±	NET	BKG	S/N	SIZE	RECO	R'	SRC	ID
#	#	(1950)	(1950)	"	RATE		CTS	CTS		COR			FLG	
2661	1	12 17 39.4	02 20 15	31	0.180	0.015	148.0	4.0	12.0	1.4	0	0.4	AH	Q
2663		12 18 02.3				0.0093	40.3	3.7	6.1	1.2	0	11.6	Н	



ON 029,LONG OBS. OF HIGH COUNT QUASARS

FIELD CENTER: $12^{h}17^{m}38.3^{s}$ $02^{o}20'20''$ (B1950) $12^{h}20^{m}11.8^{s}$ $02^{o}03'42''$ (J2000) ℓ : 284.99 b: 63.84

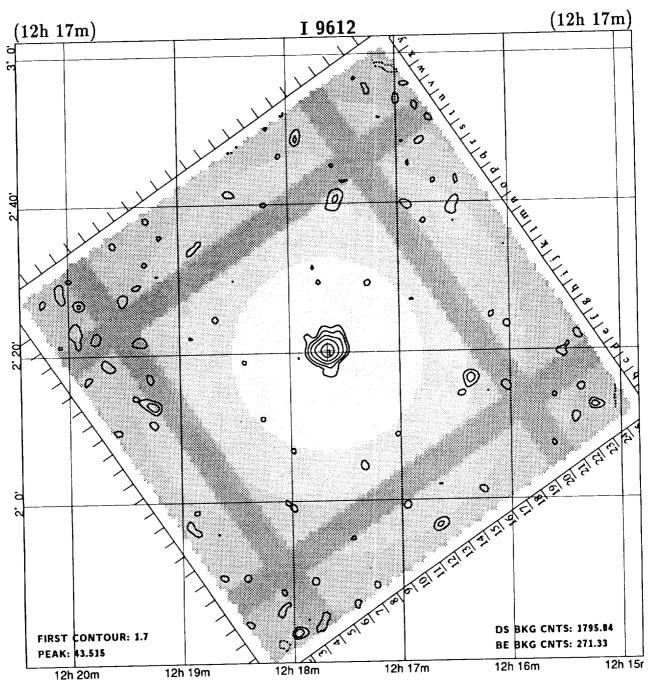
DATE: 1980/348 - 1980/348 LIVETIME: 1491.9s

ROLL ANGLE: -126.3°

REF/ID: FIELD FLAGS: C

NH: 1.9E+20

CAT FLD	RA (1950)	DEC (1950)	± "	COUNT RATE	±	NET CTS	BKG CTS	S/N	1	RECO	R'	SRC	ID
2661 1	12 17 38.6	02 20 14	31	0.184	0.013	204.2	4.8	14.1	1.4	0	0.4	FLG AH	Q



ON 029,LONG OBS. OF HIGH COUNT QUASARS

FIELD CENTER: 12^h17^m38.3^s 02°20'20" (B1950) 12^h20^m11.8^s 02°03'42" (J2000)

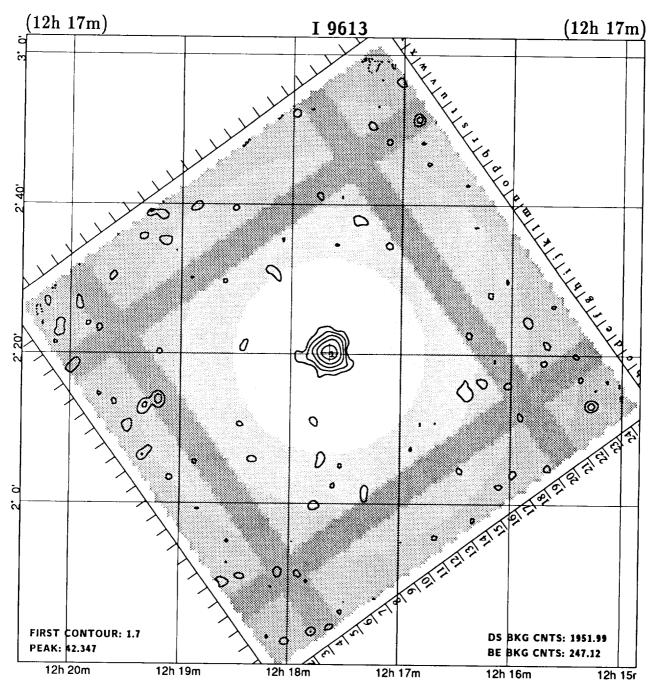
ℓ: 284.99 b: 63.84

DATE: 1980/349 - 1980/349 LIVETIME: 1455.26

ROLL ANGLE: -124.3°

NH: 1.9E+20 REF/ID: FIELD FLAGS: C

CAT FLD	RA (1050)	DEC (1950)	± "	COUNT	±	NET CTS	BKG CTS	S/N	SIZE COR	RECO	R'	SRC FLG	ID
# #	(1950)	(1950)				170.0		12.2	1.4		Λ4	AH	٥
2661 1	12 17 39 6	02 20 13	31	0.166	0.013	179.9	5.1	13.2	1.7		0.7		

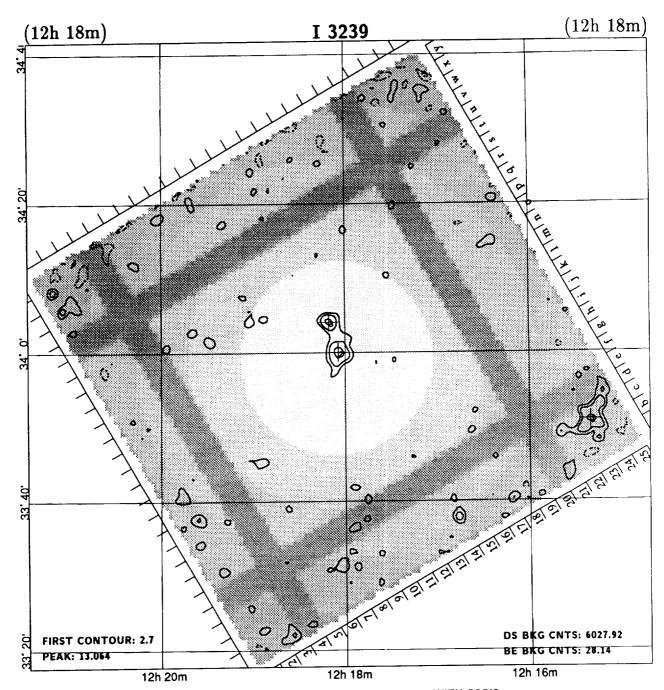


ON 029,LONG OBS. OF HIGH COUNT QUASARS

FIELD CENTER: $12^h 17^m 38.3^s 02^o 20' 20''$ (B1950) $12^h 20^m 11.8^s 02^o 03' 42''$ (J2000) ℓ : 284.99 b: 63.84

DATE: 1980/349 - 1980/349 LIVETIME: 1581.8₆ ROLL ANGLE: -126.3° NH: 1.9E+20 REF/ID: FIELD FLAGS: C

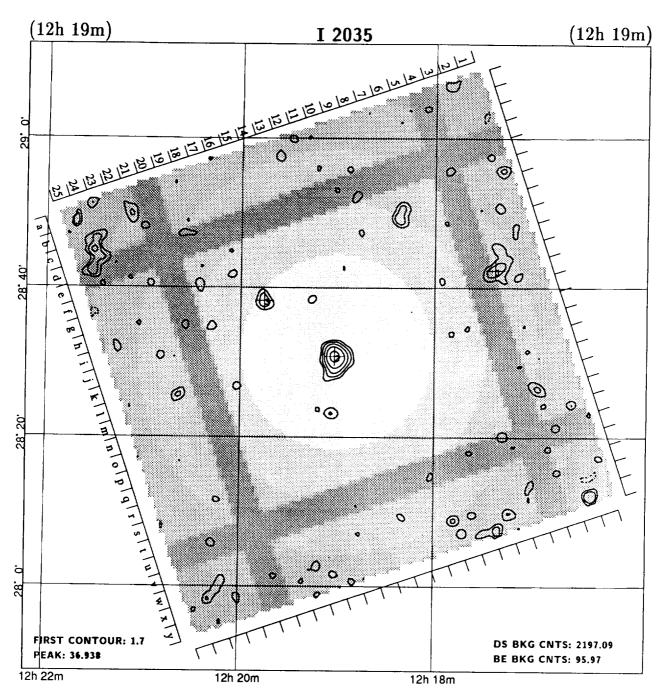
CAT	FLD	RA	DEC	±	COUNT	±	NET	BKG	S/N	SIZE	RECO	R'	SRC	ID
#	#	(1950)	(1950)	"	RATE		CTS	CTS		COR			FLG	
2661	1	12 17 38.8	02 20 12	31	0.174	0.012	205.6	5.4	14.2	1.5	0	0.4	AH	0



3C270.1: DISTANT CLUSTERS ASSOCIATED WITH QSO'S

FIELD CENTER: $12^h 18^m 04.0^s$ $33^\circ 59' 49''$ (B1950) $12^h 20^m 33.9^s$ $33^\circ 43' 11''$ (J2000) ℓ : 166.31 b: 80.64 DATE: 1979/342 - 1979/342 LIVETIME: 4884.6s ROLL ANGLE: -120.0° NH: 1.2E+20 REF/ID: FIELD FLAGS:

CAT	FLD	RA	DEC	±	COUNT	±	NET	BKG	S/N	SIZE	RECO	R'	SRC II	D
#	#	(1950)	(1950)	"	RATE		стѕ	CTS		COR			FLG	
2643	1	12 15 20.6	33 50 52	57	0.0173	0.0042	22.5	7.5	4.1	2.1	200	35.1	Н	
2664	2	12 18 04.7	34 00 01	35	0.0171	0.0024	62.3	14.7	7.1	2.0	0	0.4	Н	
2666	3	12 18 10.6		35	0.0121	0.0022	42.3	15.7	5.6	2.7	0	4.6	Н	



X-RAY STUDY OF QUASARS: ON 231

FIELD CENTER: 12h19m01.1 28°30'35" (B1950) 12^h21^m31.6^s 28°13'57" (J2000)

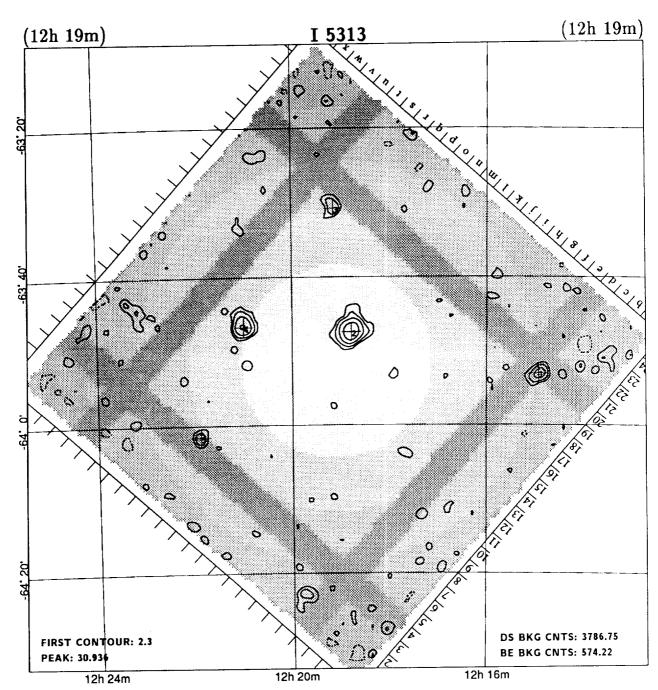
ℓ: 201.74 b: \$3.29

DATE: 1980/182 - 1980/182 LIVETIME: 1780.4s

ROLL ANGLE: 71.5°

NH: 1.8E+20 REF/ID: FIELD FLAGS:

CAT	FLD	RA	DEC	±	COUNT	±	NET	BKG	S/N	SIZE	RECO	R'	SRC	ID
#	#	(1950)	(1950)	"	RATE		CTS	CTS	·	COR			FLG	
2659	1	12 17 22.8	28 42 20	56	*0.0195	0.0055	15.5	3.5	3.6	1.3	1006	23.9	Н	
2673	2	12 19 01.7	28 30 51	31	0.1073	0.0092	142.2	5.8	11.7	1.2	0	0.4	н	0
2678	3	12 19 45.4	28 38 15	46	0.0144	0.0040	16.3	4.7	3.6	0.8	0	12.5	н	•



SEARCH FOR YOUNG GALACTIC SNR

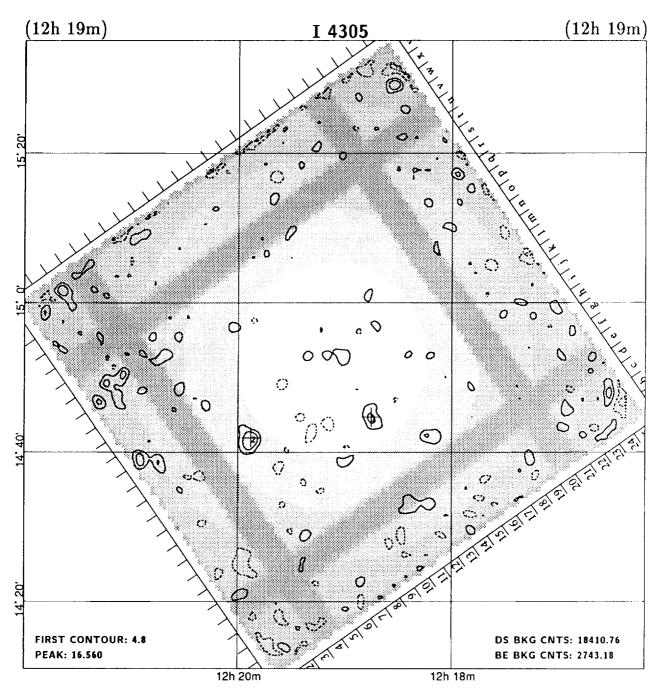
FIELD CENTER: $12^{h}19^{m}05.1^{s}$ -63°50'47" (B1950) $12^{h}21^{m}51.0^{s}$ -64°07'26" (J2000) ℓ : 299.71 b: -1.44

LIVETIME: 3068.5s ROLL ANGLE: -138.6°

DATE: 1980/ 39 - 1980/ 39

NH: 1.5E+21 REF/ID: FIELD FLAGS:

CAT	FLD	RA	DEC	±	COUNT	±	NET	BKG	S/N	SIZE	RECO	R'	SRC	ID
CAT #	FLD #	(1950)	(1950)	"	RATE		CTS	CTS	-/	COR			FLG	
2639	1	12 14 55.9	-63 53 02	52	*0.0198	0.0044	23.7	4.3	4.5	0.9	1509	27.7		
2671	2	12 18 46.8	-63 47 27	31	0.0645	0.0056	142.2	10.8	11.5	1.3	0	4.1	н	
2675	3	12 19 08.7	-63 30 51	55	*0.0134	0.0035	20.6	7.4	3.9	0.8	601	20.1	Н	
2689	4	12 20 59.8	-63 46 44	41	0.0344	0.0046	64.9	10.1	7.5	1.1	0	13.3	Н	
2692	5	12 21 53.9	-64 01 34	55	*0.0106	0.0030	16.1	4.9	3.5	0.7	1008	21.6		



VIRGO CLUSTER FOLLOW-UP: NGC 4298 4302

FIELD CENTER: 12^h19^m06.0^s 14°52′59" (B1950) 12^h21^m38.2^s 14°36′21" (J2000)

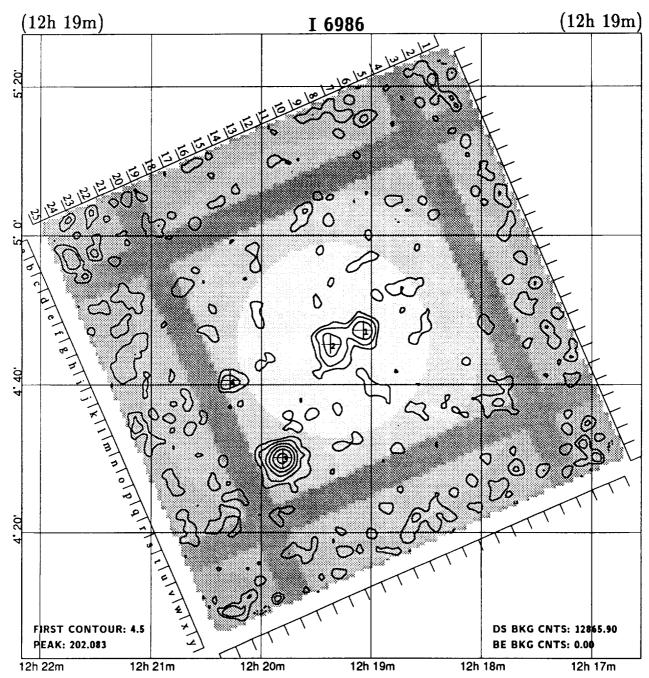
ℓ: 272.44 b: 75.68

DATE: 1979/351 - 1979/353 LIVETIME: 14919.0s

ROLL ANGLE: -125.0°

NH: 2.7E+20 REF/ID: FIELD FLAGS:

CAT	FLD	RA	DEC	±	COUNT	±	NET	BKG	S/N	SIZE	RECO	R'	SRC	ID
#	#	(1950)	(1950)	"	RATE		стѕ	CTS		COR			FLG	
2670	1	12 18 45.1	14 44 44	42	0.00427	0.00095	42.8	48.2	4.5	8.0	0	9.4	Н	
2680	2	12 19 52.8	14 41 57	50	0.0064	0.0011	56.4	44.6	5.6	1.1	0	15.7	н	

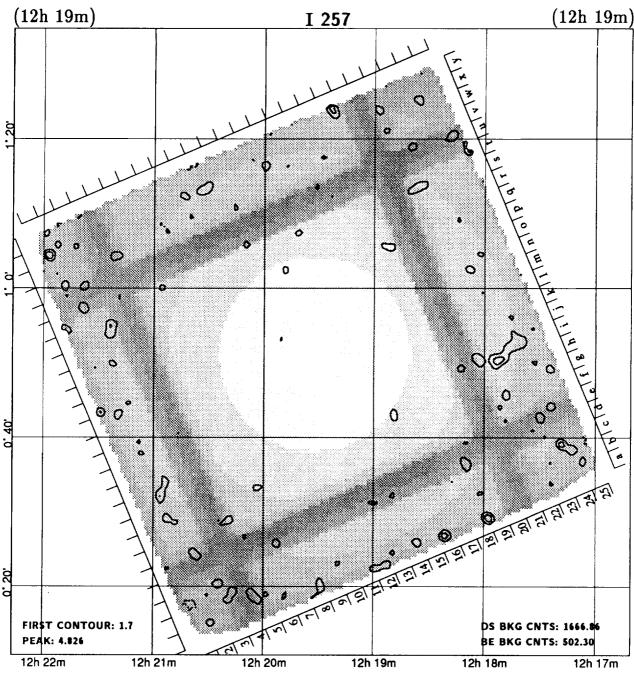


NGC 4303A/4301/4303/4292/4292A, VIRGO CLUSTER GALAXY SURVEY

FIELD CENTER: $12^{h}19^{m}21.6^{s}$ $04^{o}45'05''$ (B1950) $12^{h}21^{m}54.8^{s}$ $04^{o}28'27''$ (J2000) ℓ : 284.37 b: 66.28

DATE: 1980/176 - 1980/176 LIVETIME: 10425.6¢ ROLL ANGLE: 66.5° NH: 1.7E+20 REF/ID: FIELD FLAGS: L

CAT	FLD	RA	DEC	±	COUNT	±	NET	BKG	S/N	SIZE	RECO	R'	SRC	ID
#	#	(1950)	(1950)	"	RATE		стѕ	CTS		COR			FLG	
2674	1L	12 19 04.3	04 47 19	31	0.0163	0.0022	122.3	65.7	7.3	3.3	0	4.7	Α	Q
2676	2L	12 19 22.4	04 45 24	32	0.0080	0.0021	61.7	102.3	3.7	3.6	0	0.2	A	
2679	3L	12 19 48.3	04 30 04	47	0.0923	0.0048	534.1	74.9	18.9	1.3	0	16.4	Α	*
2683	4L	12 20 17.2	04 40 33	46	0.0077	0.0019	47.1	34.9	3.9	1.1	500	14.6		



A 1525 CLUSTER EVOLUTION

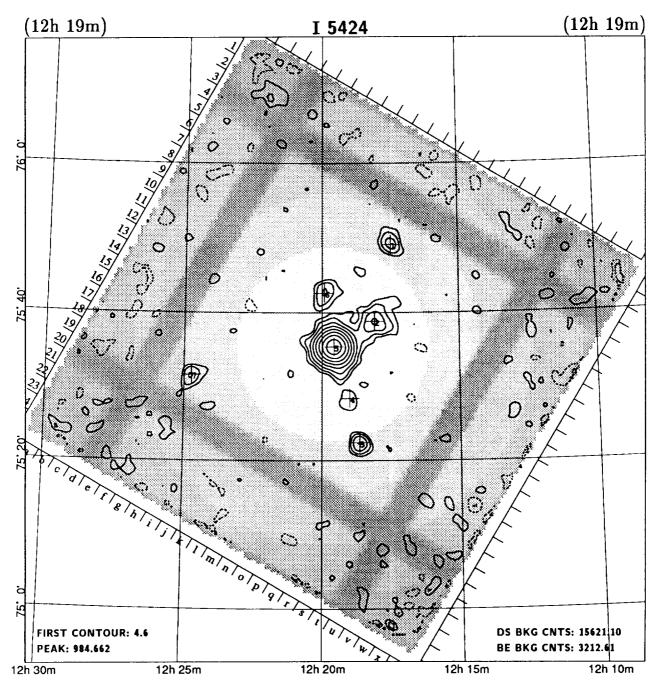
FIELD CENTER: 12^h19^m28.8^s 00°52'47" (B1950) 12^h22^m02.5^s 00°36'09" (J2000)

ℓ: 286.82 b: 62.55

DATE: 1979/ 7 - 1979/ 7 LIVETIME: 1350.7s

ROLL ANGLE: -113.0°

NH: 1.9E+20 REF/ID: FIELD FLAGS: L

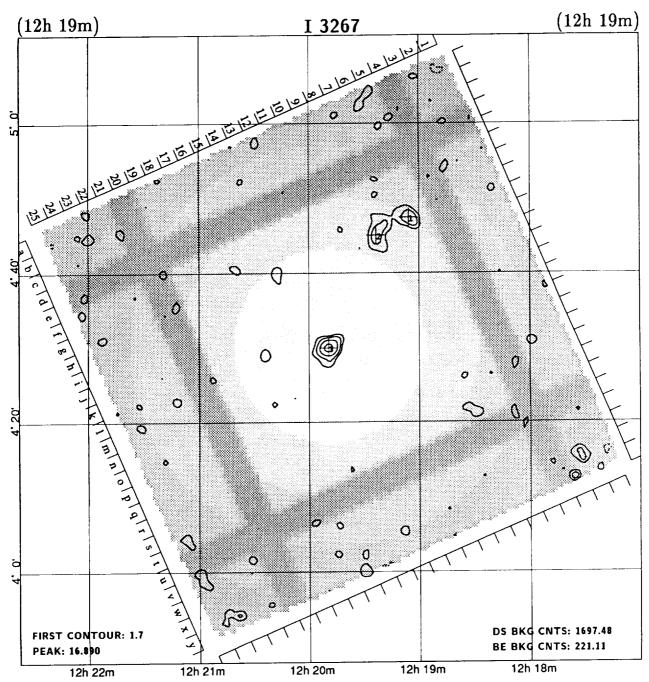


MKN 205,LONG OBS. OF HIGH COUNT QUASARS

FIELD CENTER: $12^{h}19^{m}30.0^{s}$ $75^{o}34'59''$ (B1950) $12^{h}21^{m}40.6^{s}$ $75^{o}18'21''$ (J2000) ℓ : 125.45 b: 41.68

DATE: 1980/111 - 1980/113 LIVETIME: 13112.96 ROLL ANGLE: 30.4° NH: 2.9E+20 REF/ID: FIELD FLAGS:

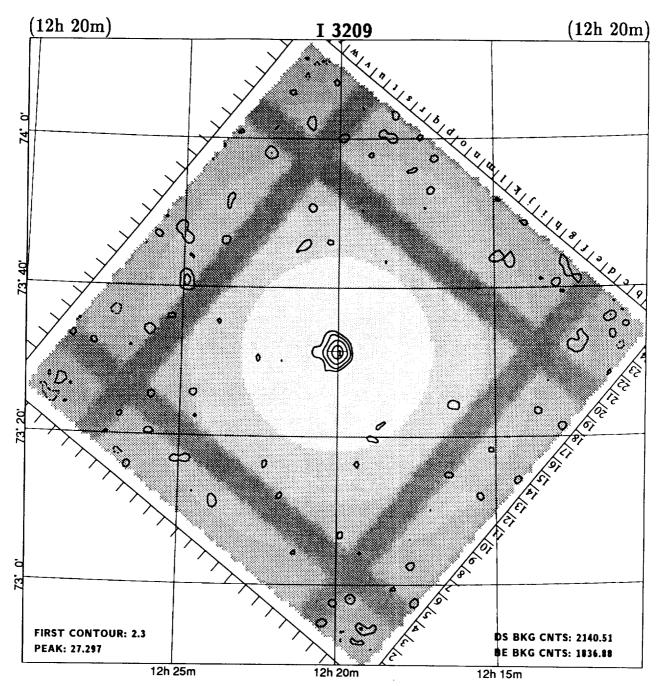
CAT	FLD	RA	DEC	±	COUNT	±	NET	BKG	S/N	SIZE	RECO	R'	SRC	ID
#	#	(1950)	(1950)	"	RATE		CTS	CTS		COR			FLG	
2660	1	12 17 28.9	75 49 04	50	0.0107	0.0014	82.0	36.0	7.5	1.0	0	16.2	H	
2665	2	12 18 05.3	75 38 48	38	0.0193	0.0016	177.4	47.6	11.8	32.4	0	6.7	AH	G
2669	3	12 18 38.4	75 22 26	38	0.0132	0.0015	105.8	43.2	8.7	0.9	0	12.8	н	AGN
2672	4	12 19 00.0	75 28 27	42	0.0050	0.0010	45.3	42.7	4.8	0.8	0	6.2	н	
2677	5	12 19 34.2	75 35 23	31	0.4449	8800.0	4350.4	47.6	65.6	1.4	0	0.4	AH	Q
2681	6	12 19 55.0	75 42 38	41	0.0094	0.0013	85.8	47.2	7.4	1.2	0	8.1	AH	CLG
2712	7	12 24 43.9	75 31 37	50	0.0079	0.0014	53.8	35.2	5.7	1.0	0	19.8	Н	



EXTRAGALACTIC STRONG MILLIMETER SOURCES: 1219+04

FIELD CENTER: $12^{h}19^{m}49.2^{s}$ $04^{o}29'52''$ (B1950) $12^{h}22^{m}22.5^{s}$ $04^{o}13'14''$ (J2000) ℓ : 284.82 b: 66.07 DATE: 1979/178 - 1979/178 LIVETIME: 1375.5s ROLL ANGLE: 66.7° NH: 1.7E+20 REF/ID: FIELD FLAGS:

												27	222	1
CAT	FLD	RA	DEC	\pm	COUNT	±	NET	BKG	S/N	SIZE	RECO	R'	SRC	ID
#	#	(1950)	(1950)	"	RATE		CTS	CTS		COR			FLG	
2674	1	12 19 05.6	04 47 24	55	0.0253	0.0066	17.7	3.3	3.9	2.4	0	20.7	AH	Q
2676	2	12 19 23.3	04 45 02	55	0.0195	0.0055	15.4	3.6	3.5	2.6	0	16.9	AH	1
2679	3	12 19 49.3	04 29 59	34	0.0626	0.0081	64.2	4.8	7.7	1.1	0	0.2	AH	*



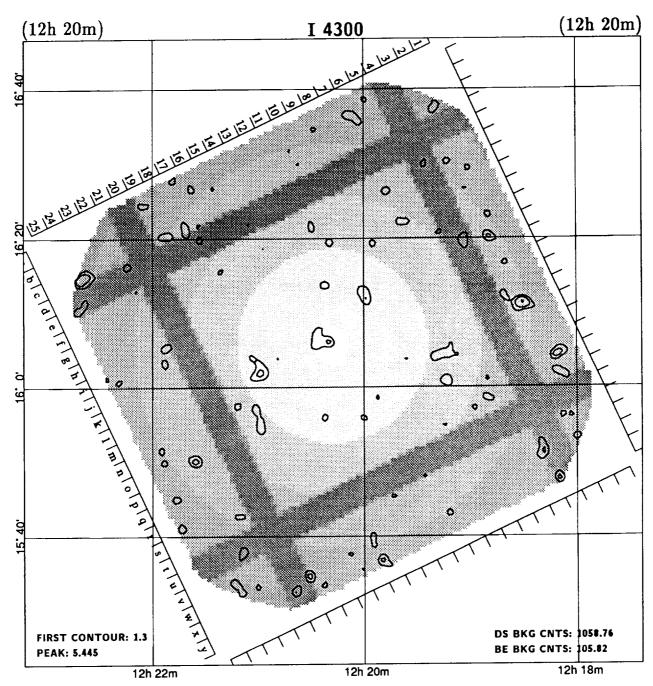
RS CVN SYSTEMS: AS DRA

FIELD CENTER: $12^{h}20^{m}03.9^{s}$ $73^{o}31'21''$ (B1950) $12^{h}22^{m}17.0^{s}$ $73^{o}14'43''$ (J2000) ℓ : 125.83 b: 43.72

DATE: 1979/316 - 1979/316 LIVETIME: 1734.6s ROLL ANGLE: -140.6°

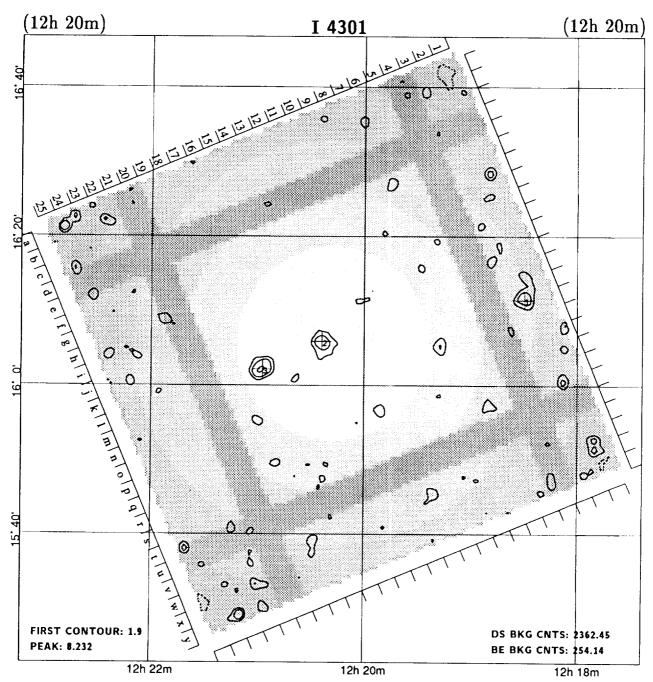
NH: 1.9E+20 REF/ID: FIELD FLAGS: L

	CAT	FLD	RA	DEC	±	COUNT	±	NET	BKG	S/N	SIZE	RECO	R'	SRC	ID
	#	#	(1950)	(1950)		RATE		CTS	CTS		COR			FLG	
ł	2682	1L	12 20 01.4	73 31 29	31	0.080	0.010	103.7	24.3	7.8	1.3	0	0.2		CV



RECENT SUPERNOVA IN NGC 4321

FIELD CENTER: $12^{h}20^{m}18.0^{s}$ $16^{\circ}04'47''$ (B1950) $12^{h}22^{m}49.9^{s}$ $15^{\circ}48'10''$ (J2000) ℓ : 271.10 b: 76.87 DATE: 1979/168 - 1979/168 LIVETIME: 857.9s ROLL ANGLE: 64.9° NH: 2.4E+20 REF/ID: FIELD FLAGS: C



RECENT SUPERNOVA IN NGC 4321

FIELD CENTER: 12h20m18.0 16004'47" (B1950) 12^h22^m49.9^s 15°48'10" (J2000)

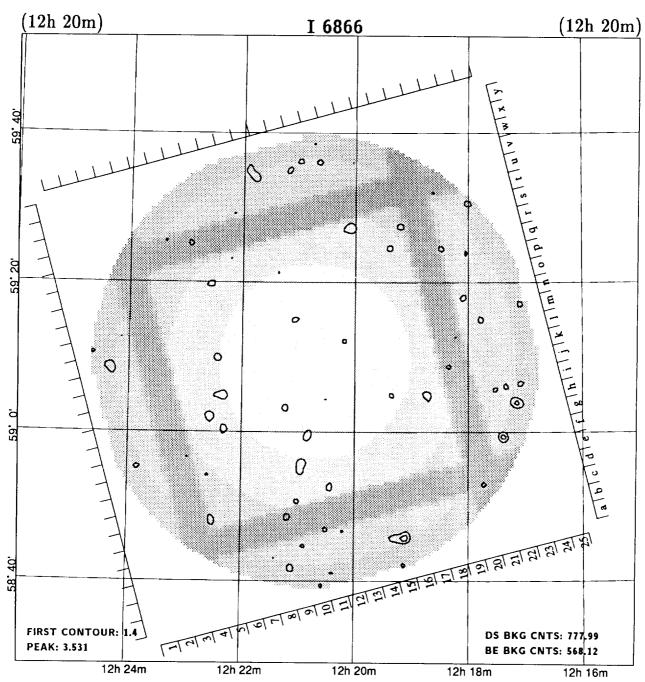
ℓ: 271.10 b: 76.87

DATE: 1979/178 - 1979/178 LIVETIME: 1914.4s

REF/ID: ROLL ANGLE: 67.5° FIELD FLAGS: C

NH: 2.4E+20

CAT	FLD	RA	DEC	\pm	COUNT	±	NET	BKG	S/N	SIZE	RECO	R'	SRC	ID
#	#	(1950)	(1950)	"	RATE		CTS	CTS		COR			FLG	
2668	1	12 18 29.6	16 11 26	57	0.0201	0.0057	15.7	4.3	3.5	1.0	0	26.9	Н	
2684	2	12 20 23.8	16 05 52	36	0.0166	0.0039	23.4	7.6	4.2	1.0	0	1.9	Н	G
2688	3	12 20 57.2	16 02 06	42	0.0279	0.0051	35.4	5.6	5.5	0.9	0	10.1	Н	o.



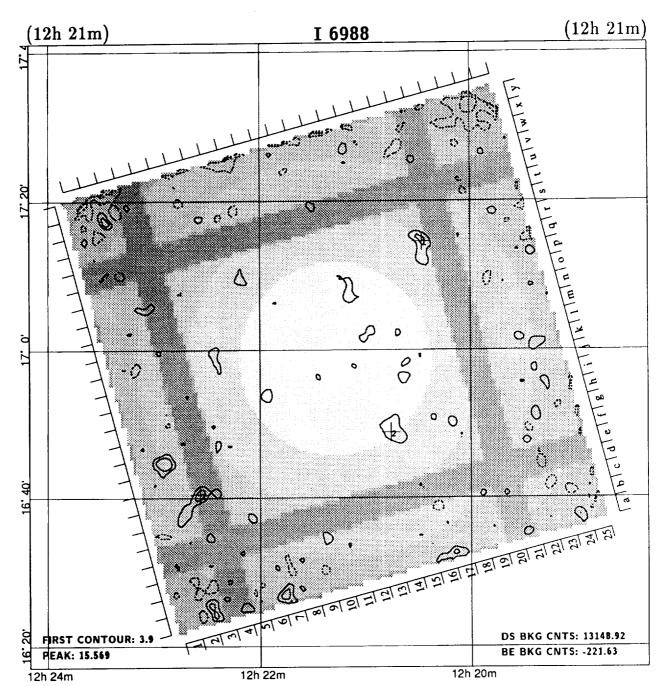
A1528,CLUSTER LUMINOSITIES @ Z=0.25.

FIELD CENTER: 12h20m30.0 59010'59" (B1950) 12h22m53.2s 58°54'22" (J2000)

ℓ: 129.86 b: 57.84

DATE: 1980/358 - 1980/358 LIVETIME: 630.46 ROLL ANGLE: -105.1°

NH: 1.2E+20 REF/ID: CLG FIELD FLAGS:



NGC 4340/4350, VIRGO CLUSTER GALAXY SURVEY

FIELD CENTER: 12h21m15.0s 16°59'13" (B1950) 12h23m46.7s 16°42'35" (J2000)

ℓ: 269.95 b: 77.77

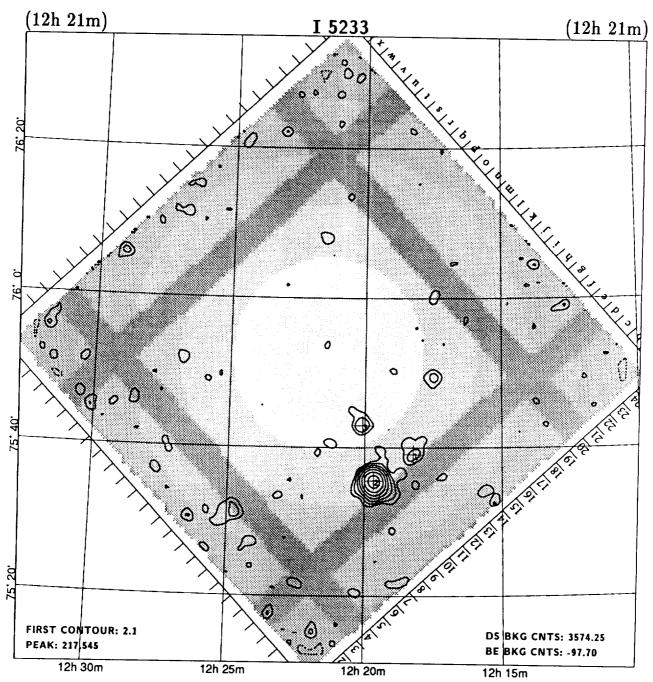
DATE: 1981/ 10 - 1981/ 11 LIVETIME: 10654.9s

ROLL ANGLE: -104.9°

NH: 2.5E+20 REF/ID:

FIELD FLAGS:

R' SRC ID SIZE RECO COUNT NET BKG S/N FLD RA DEC \pm CAT CTS COR FLG RATE CTS (1950)(1950)# # 19.1 Н 1.2 603 12 20 27.6 17 14 34 59 *0.0045 0.0012 24.5 19.5 3.7 2685 1 12.3 н 12 20 45.3 16 48 49 0.0039 0.0011 26.6 26.4 3.7 1.3 0 53 2686 2 0.0014 16.1 3.6 1.2 1309 26.4 *0.0050 21.9 2697 12 22 34.1 16 40 26



QSO 1221+75W1,RADIO WEAK QUASARS

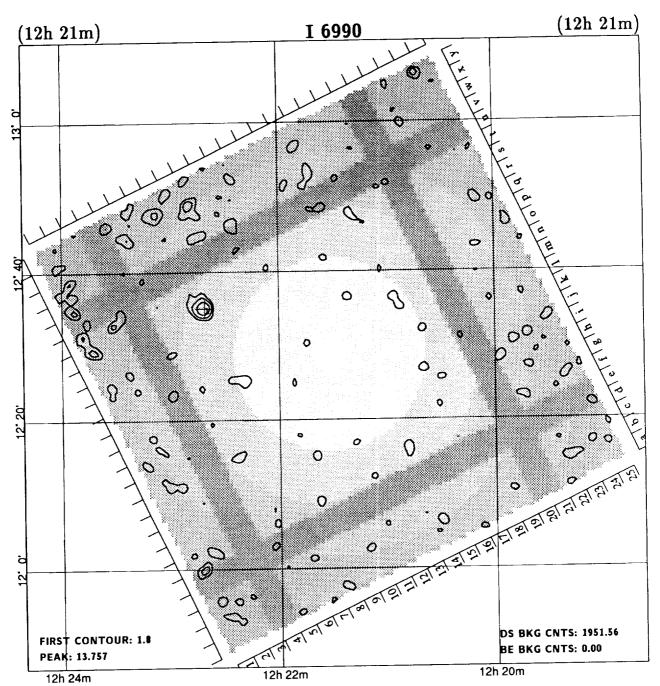
FIELD CENTER: $12^{h}21^{m}21.3^{s}$ $75^{\circ}53'05''$ (B1950) $12^{h}23^{m}29.3^{s}$ $75^{\circ}36'28''$ (J2000) ℓ : 125.24 b: 41.39

DATE: 1979/324 - 1979/324 LIVETIME: 2896.3s

ROLL ANGLE: -132.7°

NH: 3.2E+20 REF/ID: FIELD FLAGS:

CAT	FLD	RA	DEC	±	COUNT	±	NET	BKG	S/N	SIZE	RECO	R'	SRC	ID
#	#	(1950)	(1950)	"	RATE		1	CTS	-,	COR		''	FLG	10
2665	1	12 18 13.8	75 39 07	55	*0.0130	0.0032	20.5	4.5	4.1	1.1	501	17.8	AH	<u> </u>
2677	2	12 19 40.0	75 35 35	47	0.394	0.016	620.1	5.9	24.8	1.2	300	18.6	AH	0
2681	3	12 20 04.9	75 42 55	42	0.0141	0.0031	26.9	7.1	4.6	0.9	0	11.0	AH	CLG



NGC 4351, VIRGO CLUSTER GALAXY SURVEY

FIELD CENTER: 12h21m29.4 12°28'53" (B1950) 12^h24^m01.7^s 12°12′16″ (J2000)

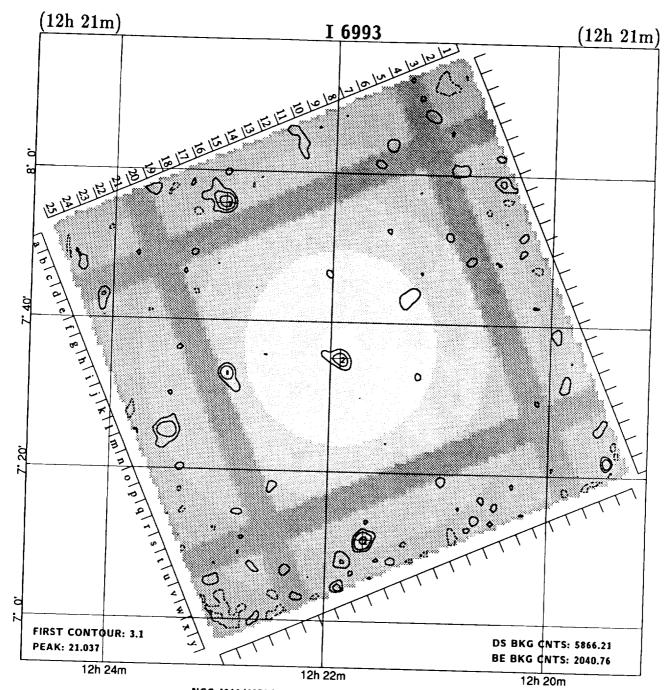
ℓ: 278.30 b: 73.75

LIVETIME: 1581.4s ROLL ANGLE: -115.6°

DATE: 1979/350 - 1979/350

NH: 2.6E+20 REF/ID: FIELD FLAGS: L

										0.101	CITE	DECO	R'	SRC	ID
	CAT	FLD	RA	DEC	\pm	COUNT	±.	NET	BKG	S/N	SIZE	RECO	ĸ	SAC	יטי
	"	и	(1950)	(1950)	"	RATE		CTS	CTS	1	COR			FLG	
L_	#	#	(1930)	(1330)					7.1	4.0	0.0	0	18.7	Δ	
	2608	11	12 22 41.2	12 35 11	50	0.0335	0.0081	28.6	1.4	4.0	0.9	0	10.1		



NGC 4366/4370/4365, VIRGO CLUSTER GALAXY SURVEY

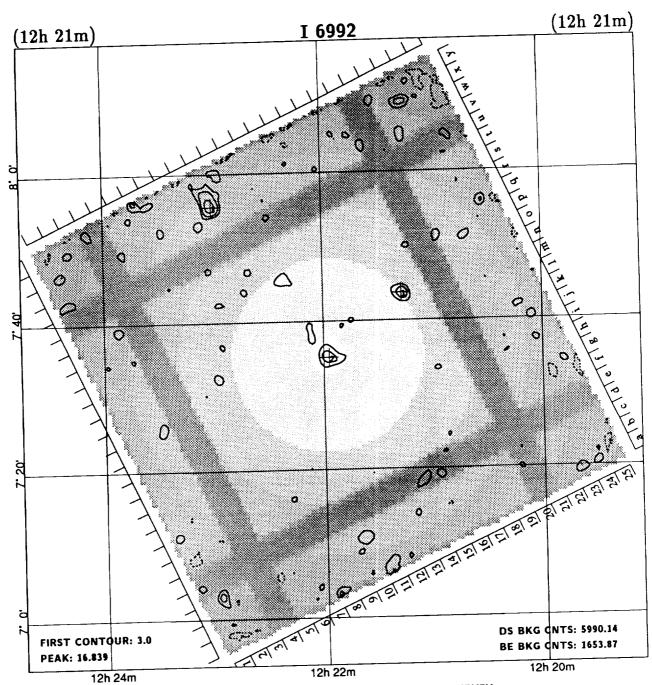
FIELD CENTER: $12^{h}21^{m}55.6^{s}$ $07^{\circ}35'41''$ (B1950) $12^{h}24^{m}28.4^{s}$ $07^{\circ}19'04''$ (J2000) ℓ : 283.81 b: 69.18

DATE: 1980/178 - 1980/178 LIVETIME: 4753.6s

ROLL ANGLE: 66.7°

NH: 1.6E+20 REF/ID: FIELD FLAGS: L

	CAT	FLD	RA	DEC	+	COUNT		NET	DICO						
- 1	#	#	(1950)		"		_	NET	BKG	5/N	SIZE	RECO	R'	SRC	ID
	- "			(1950)		RATE		CTS	CTS		COR			FLC	
- [2691	1L	12 21 39.7	07 10 53	51	0.0212	0.0041	41.9						FLG	
- 1	2694	2L	12 21 54.7				· -	41.9	8.1	5.0	0.9	0	24.8		
	0701					0.0105	0.0026	37.0	22.0	3.9	1.1	٥	0.2	٨	_
Į	2701	3L	12 22 59.5	07 55 44	51	0.0183	0.0044	37.2	170	40				~	6 1
								37.2	17.0	4.0	1.1	200	25.6	Α	- 1



NGC 4366/4370/4365, VIRGO CLUSTER GALAXY SURVEY

FIELD CENTER: 12^h21^m55.8^s 07°35'41" (B1950) 12h24m28.6 07°19'04" (J2000)

ℓ: 283.81 b: 69.18

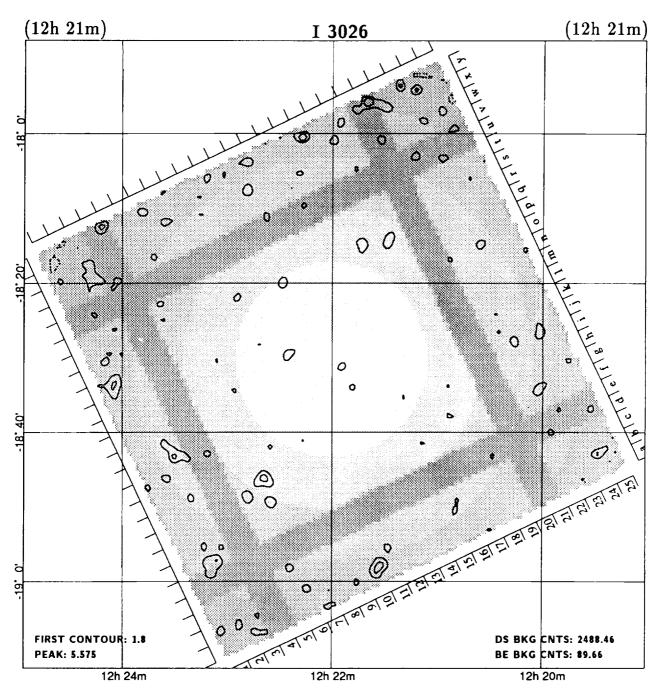
DATE: 1979/349 - 1979/350

LIVETIME: 4854.0s

ROLL ANGLE: -115.1°

NH: 1.6E+20 REF/ID: FIELD FLAGS: L

					· · · · · · · · · · · · · · · · · · ·		NET	BKG	S/N	SIZE	RECO	R'	SRC	ID
CAT	FLD	RA	DEC	±	COUNT	±	1		3/14				FLG	1
"	4	(1950)	(1950)	"	RATE	_	CTS	CTS		COR				
#	#		07 43 45	42	0.0116	0.0027	35.0	12.0	4.2	0.7	0	12.4		1
2690	1L	12 21 16.9			1 -	•	38.1	21.9	4.0	0.9	0	0.5	A	G
2694	2L	12 21 57.1	07 35 07	36	0.0105	0.0026				1	۸	25.5	A	1
2701	3L	12 23 00.7	07 55 34	51	0.0185	0.0041	38.0	14.0	4.3	1.1		23.5	L`	
2701	<u> </u>	12 20 00.1												



NGC 4361: PLANETARY NEBULAE WITH HOT STARS

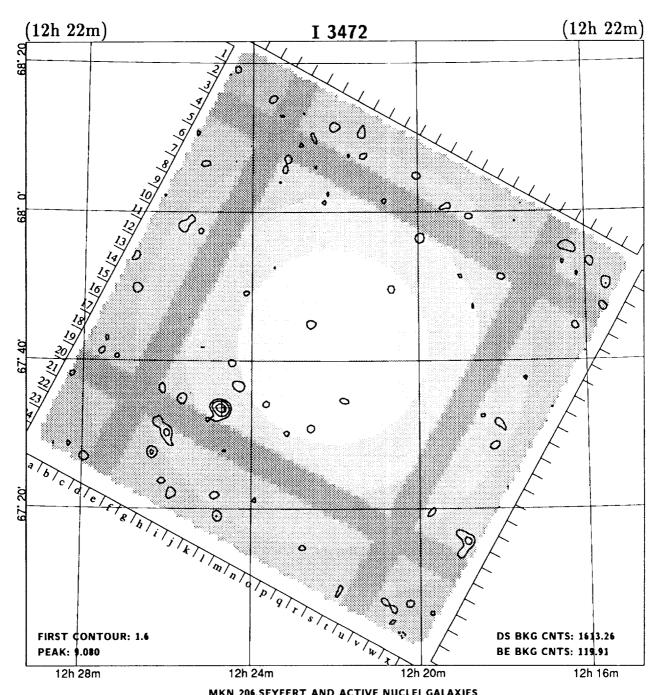
FIELD CENTER: 12^h21^m59.0^s -18°29'40" (B1950) 12^h24^m35.0^s -18°46'17" (J2000)

ℓ: 294.13 b: 43.64

DATE: 1980/ 8 - 1980/ 8 LIVETIME: 2016.5s

ROLL ANGLE: -115.5°

NH: 3.9E+20 REF/ID: FIELD FLAGS:



MKN 206, SEYFERT AND ACTIVE NUCLEI GALAXIES

FIELD CENTER: 12h22m00.0 67040'59" (B1950) 12h24m17.45 67°24'22" (J2000)

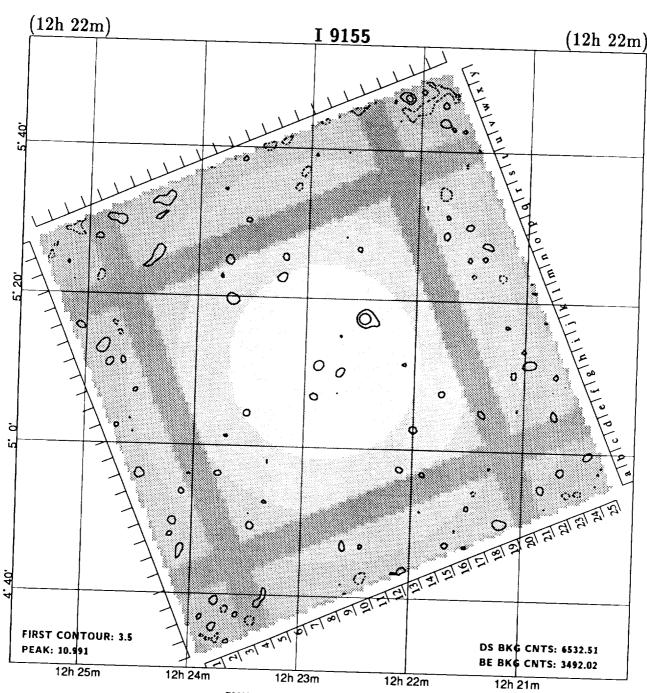
ℓ: 126.94 *b*: 49.51

DATE: 1979/118 - 1979/118 LIVETIME: 1307.3s

ROLL ANGLE: 28.6°

NH: 2.0E+20 REF/ID: FIELD FLAGS:

CAT	FLD	RA	DEC	±	COUNT	±	NET	BKG	S/N	SIZE	RECO	R'	SRC	ID
#	#	(1950)	(1950)	"	RATE		CTS	CTS		COR	_		FLG	
2710	1	12 24 42.6	67 33 42	51	0.0303	0.0069	22.0	3.0	4.4	0.8	100	17.1	Н	

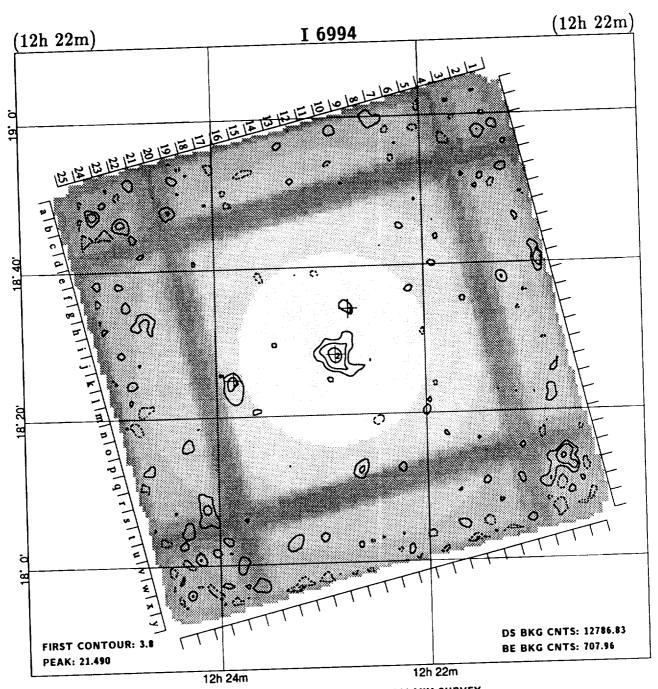


EMISSION BY Sa GALAXIES: NGC 4378

FIELD CENTER: $12^{h}22^{m}48.0^{s}$ $05^{\circ}11'59''$ (B1950) $12^{h}25^{m}21.1^{s}$ $04^{\circ}55'23''$ (J2000) ℓ : 286.14 b: 66.94

DATE: 1980/347 - 1980/347 LIVETIME: 5293.6e ROLL ANGLE: -113.1°

NH: 1.7E+20 REF/ID: FIELD FLAGS: L



NGC 4382/4394, VIRGO CLUSTER GALAXY SURVEY

FIELD CENTER: 12^h22^m52.8° 18°27′59" (B1950) 12^h25^m24.2° 18°11′23" (J2000)

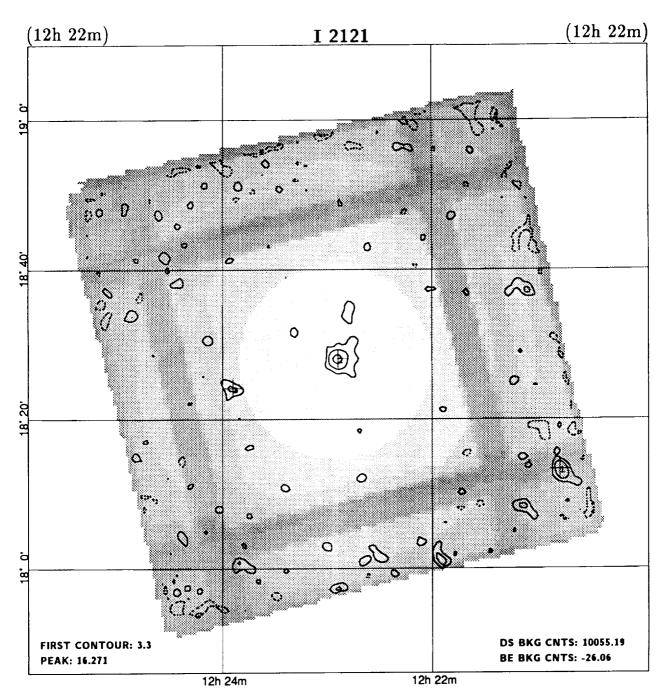
l: 267.72 b: 79.24

DATE: 1980/179 - 1980/180 LIVETIME: 10361.5e

ROLL ANGLE: 76.4°

NH: 2.7E+20 REF/ID: FIELD FLAGS:

		£: 2	11.14 V.											
CAT FI	LD	RA	DEC	±	COUNT	±	NET CTS	BKG CTS	S/N	SIZE	RECO	R'	SRC FLG	ID
# 3	#	(1950)	(1950)	47	0.0048	0.0013	35.2	23.8	3.7	0.5	0	6.6		
1	L	12 22 43.8 12 22 51.7	18 34 16 18 28 10	32	0.0048	0.0015	99.1	32.9	8.6	1.6	0	0.4	AH	G
2700	3		18 24 56	43	0.0047	0.0012	29.2	24.8	4.0	1.1	200	13.9	AH	

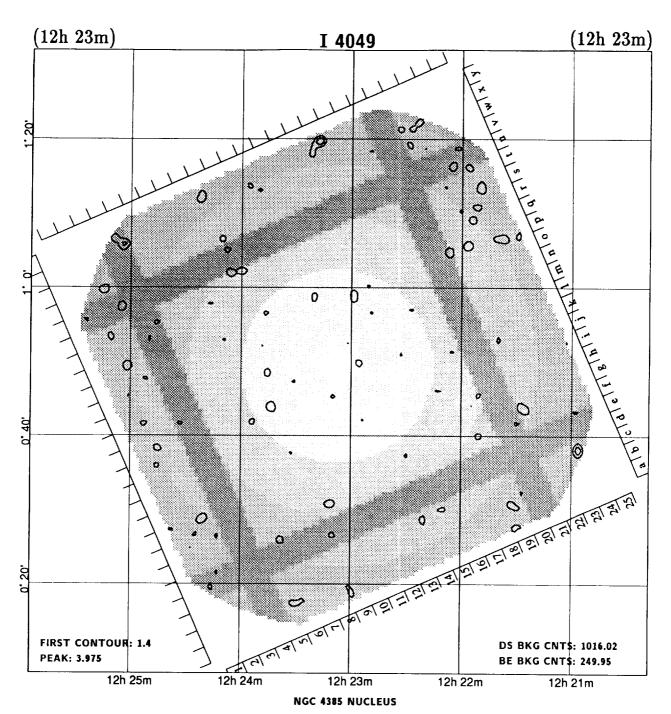


X-RAY SURVEY OF NORMAL GALAXIES: NGC4382

FIELD CENTER: $12^{h}22^{m}54.0^{s}$ $18^{o}27'59''$ (B1950) $12^{h}25^{m}25.4^{s}$ $18^{o}11'23''$ (J2000) ℓ : 267.74 b: 79.24

DATE: 1979/180 - 1981/ 16 LIVETIME: 8148.0s NH: 2.7E+20 REF/ID: FIELD FLAGS:

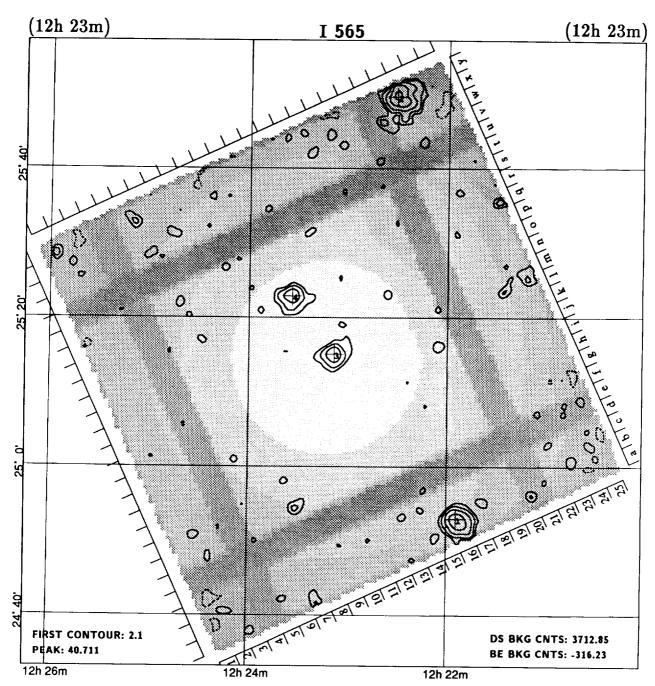
CAT	FLD	RA	DEC	±	COUNT	±	NET	BKG	S/N	SIZE	RECO	R'	SRC	ID
#	#	(1950)	(1950)	"	RATE		CTS	CTS		COR			FLG	
2687	1	12 20 47.5	18 13 13	62	*0.0079	0.0022	19.0	10.0	3.5	1.0	1609	33.5		
2700	2	12 22 53.8	18 28 07	35	0.0107	0.0016	65.2	24.8	6.9	1.4	0	0.2	AH	G
2708	3	12 23 54.1	18 24 07	47	0.0050	0.0014	24.5	20.5	3.7	0.8	0	14.8	Α	



FIELD CENTER: $12^h23^m06.0^s$ $00^o49'59''$ (B1950) $12^h25^m39.6^s$ $00^o33'23''$ (J2000) ℓ : 288.76 b: 62.72

DATE: 1979/354 - 1979/354 LIVETIME: 823.3s ROLL ANGLE: -113.8°

NH: 1.9E+20 REF/ID: FIELD FLAGS:

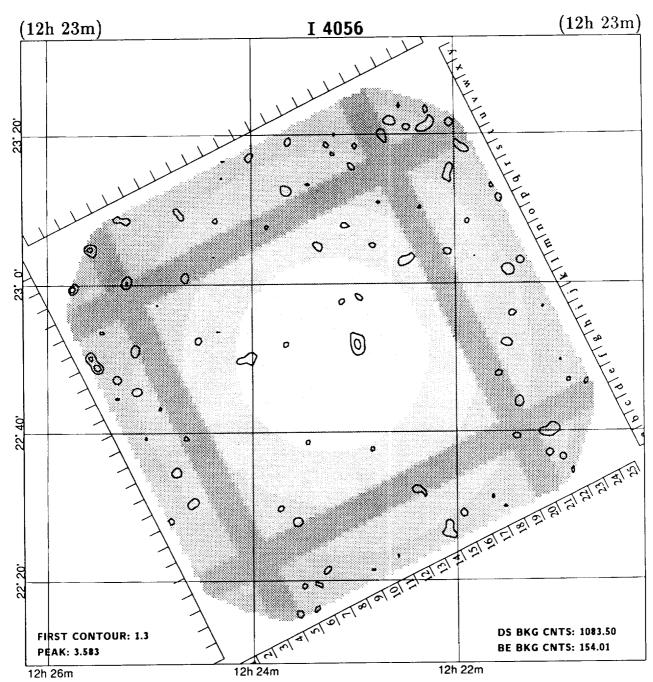


QSO 1223+252 (4C 25.40) QUASAR SURVEY

FIELD CENTER: $12^{h}23^{m}09.1^{s}$ $25^{o}15'11''$ (B1950) $12^{h}25^{m}39.5^{s}$ $24^{o}58'35''$ (J2000) ℓ : 231.88 b: 83.82

DATE: 1978/354 - 1978/354 LIVETIME: 3008.6s ROLL ANGLE: -114.6° NH: 1.6E+20 REF/ID: FIELD FLAGS:

CAT	FLD	RA	DEC	±	COUNT	±	NET	BKG	S/N	SIZE	RECO	R'	SRC	ID
#	#	(1950)	(1950)	"	RATE		стѕ	CTS	•	COR			FLG	
2693	1	12 21 54.2	24 52 59	50	0.0557	0.0072	64.4	5.6	7.7	1.4	0	28.1	Н	
2695	2	12 22 31.4	25 49 37	50	0.070	0.010	53.2	4.8	7.0	1.6	200	35.5	н	S
2702	3	12 23 08.3	25 15 04	35	0.0273	0.0037	61.3	8.7	7.3	1.2	0	0.2	н	0
2705	4	12 23 33.8	25 22 54	41	0.0249	0.0038	50.4	7.6	6.6	1.3	0	9.7	Н	AGN



HIGH REDSHIFT QUASAR

FIELD CENTER: 12^h23^m12.0^s 22°50′59" (B1950) 12^h25^m42.7^s 22°34′23" (J2000)

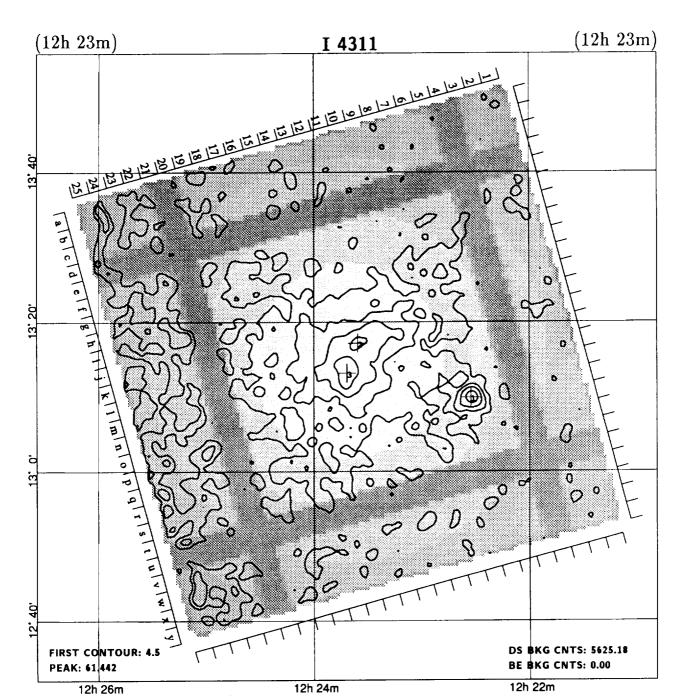
0 010 51 1 00 60

ℓ: 249.51 b: 82.60

DATE: 1979/349 - 1979/349 LIVETIME: 878.0s

ROLL ANGLE: -116.4°

NH: 1.8E+20 REF/ID: ! FIELD FLAGS:

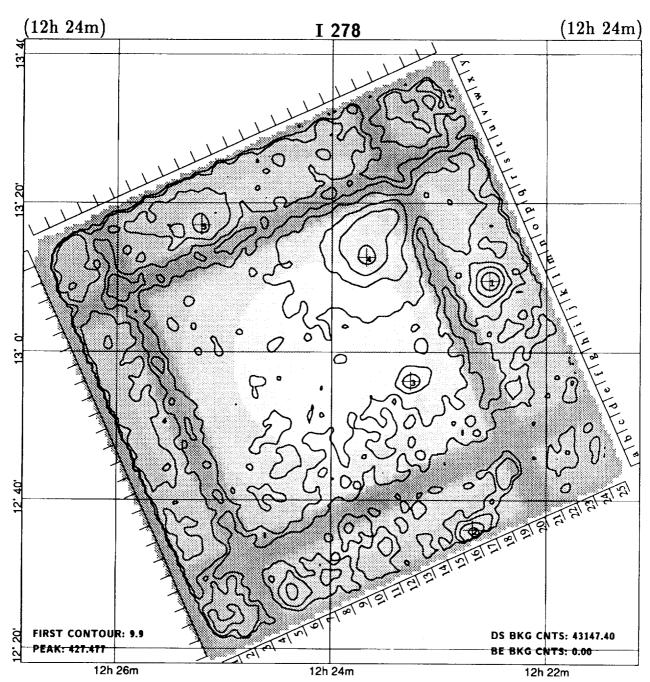


VIRGO CLUSTER FOLLOW-UP: M 86 = NGC 4406

FIELD CENTER: $12^{h}23^{m}42.0^{s}$ $13^{\circ}13'59''$ (B1950) $12^{h}26^{m}14.0^{s}$ $12^{\circ}57'23''$ (J2000) ℓ : 279.10 ℓ : 74.65

DATE: 1979/183 - 1979/183 LIVETIME: 4558.26 ROLL ANGLE: 74.8° NH: 2.7E+20 REF/ID: FIELD FLAGS: L

CAT #	FLD #	RA (1950)	DEC (1950)	± "	COUNT RATE	±	NET CTS	BKG CTS	S/N	SIZE COR	RECO	R'	SRC FLG	ID
2696	1L	12 22 32.4	13 09 54	48	0.0539	0.0060	136.3	33.7	8.9	26.0	0	17.5	Α	G
2706	2L	12 23 35.5	13 17 08	31	0.0256	0.0057	85.6	140.4	4.4	23.8	0	3.2		
2707	3L	12 23 41.5	13 13 07	31	0.0333	0.0067	112.1	200.9	4.9	16.5	0	0.8	Α	G

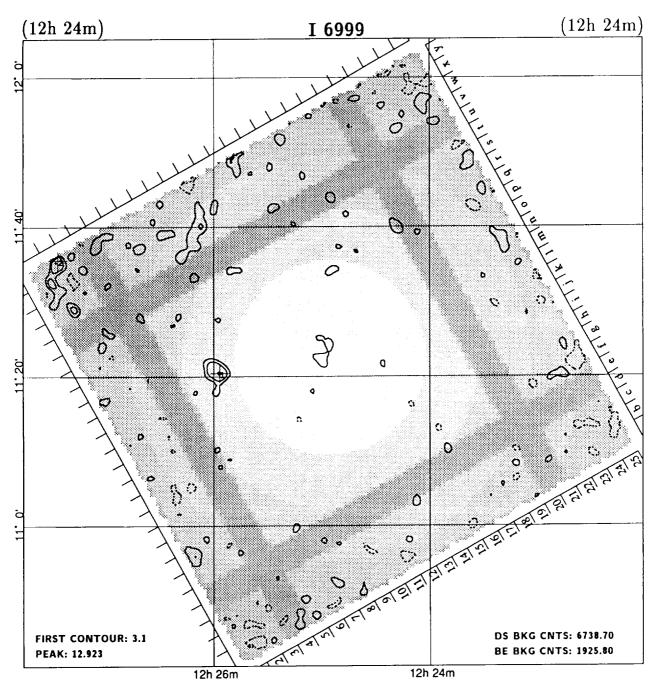


M84 VIRGO CLUSTER IMAGE

FIELD CENTER: $12^{h}24^{m}00.0^{s}$ $12^{o}59'59''$ (B1950) $12^{h}26^{m}32.0^{s}$ $12^{o}43'23''$ (J2000) ℓ : 279.68 b: 74.46 DATE: 1978/355 - 1978/356 LIVETIME: 34963.86 ROLL ANGLE: -114.2°

NH: 2.6E+20 REF/ID: G FIELD FLAGS: DL

CAT	FLD	RA	DEC	±	COUNT	±	NET	BKG	S/N	SIZE	RECO	R'	SRC	ID
#	#	(1950)	(1950)	"	RATE		стѕ	CTS		COR			FLG	
2696	1L	12 22 31.8	13 09 35	47	0.0359	0.0023	557.4	306.6	15.7	61.8	0	23.5	Α	G
2698	2L	12 22 40.9	12 35 57	53	*0.0096	0.0018	131.5	128.2	5.5	2.4	702	30.8	Al	
2703	3L	12 23 15.7	12 56 07	38	0.0136	0.0013	307.1	262.9	10.4	148.5	0	11.3		G
2707	4L	12 23 40.7	13 12 48	37	0.0337	0.0026	705.0	1113.0	13.0	34.7	0	13.8	A	G
2718	5L	12 25 13.2	13 17 05	48	0.0115	0.0017	172.7	222.3	6.8	136.1	0	24.9		G



NGC 4429, VIRGO CLUSTER GALAXY SURVEY

FIELD CENTER: 12h24m54.0 11°23'05" (B1950)

12h27m26.2s 11°06'30" (J2000)

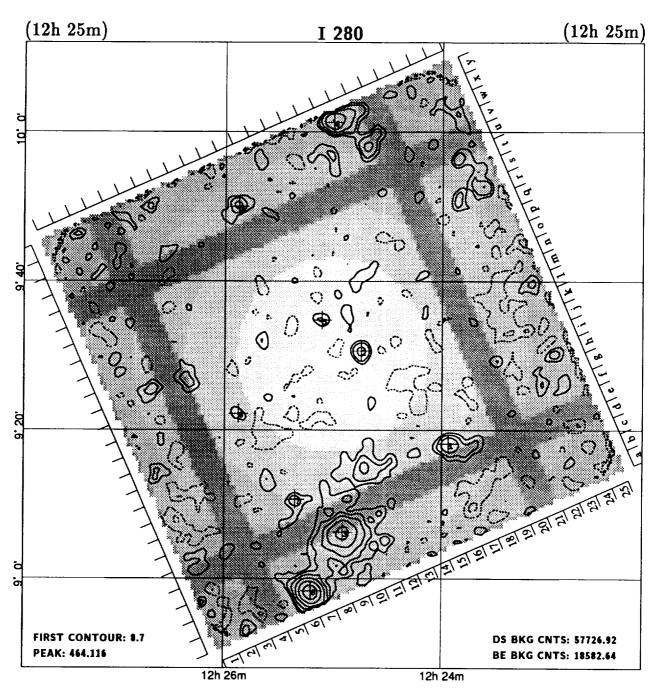
ℓ: 282.38 *b*: 73.02

DATE: 1981/ 10 - 1981/ 10 LIVETIME: 5460.6s

ROLL ANGLE: -119.1°

NH: 2.3E+20 REF/ID: FIELD FLAGS:

CAT	FLD	RA	DEC	±	COUNT	±	NET	BKG	S/N	SIZE	RECO	R'	SRC	ID
#	#	(1950)	(1950)	"	RATE		CTS	CTS		COR			FLG	
2726	1	12 25 56.6	11 20 27	51	0.0134	0.0024	43.0	16.0	5.6	1.0	0	15.8	Н	
2737	2	12 27 26.2	11 35 36	57	*0.0234	0.0064	20.5	10.5	3.7	2.1	704	39.5	EH	

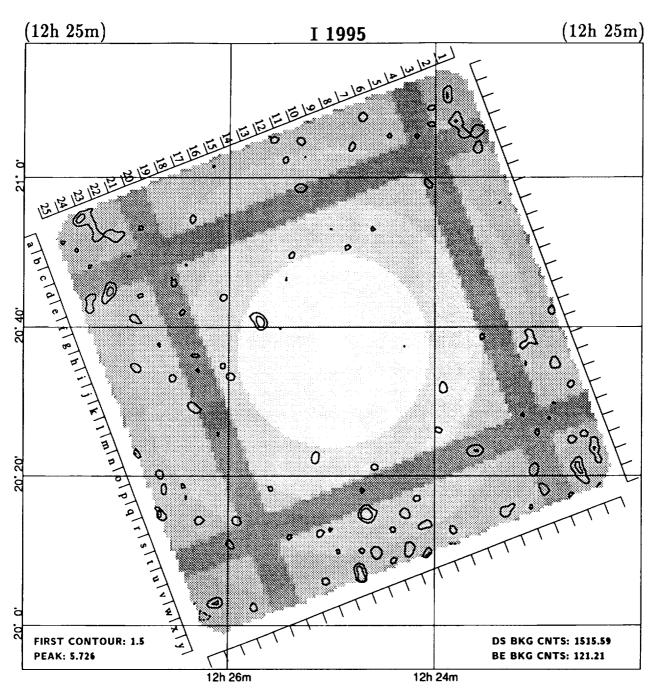


NGC 4472 VIRGO CLUSTER IMAGE

FIELD CENTER: 12^h25^m00.0^s 09°29'59" (B1950) 12^h27^m32.5^s 09°13'24" (J2000) £: 284.32 b: 71.23 DATE: 1978/358 - 1978/359 LIVETIME: 46778.1s ROLL ANGLE: -113.8°

NH: 1.8E+20 REF/ID: FIELD FLAGS: LS

CAT	FLD	RA	DEC	±	COUNT	±	NET	BKG	S/N	SIZE	RECO	R'	SRC	ID
#	#	(1950)	(1950)	"	RATE		CTS	CTS	•	COR			FLG	
2709	1L	12 23 56.4	09 18 07	48	*0.0077	0.0011	184.1	154.0	7.0	1.5	502	19.8		
2713	2L	12 24 44.6	09 30 41	31	0.00599	0.00071	202.7	177.3	8.4	0.9	0	4.0		Q
2714	3L	12 24 54.5	09 06 15	47	*0.0136	0.0022	284.1	332.4	6.0	5.7	905	23.8		
2715	4L	12 25 00.2	10 01 17	48	0.0132	0.0017	199.1	197.9	7.6	1.9	500	31.3		s
2716	5L	12 25 06.4	09 34 48	41	0.00313	0.00063	104.6	169.4	4.9	0.6	0	5.1		
2717	6L	12 25 12.0	08 58 22	47	0.0475	0.0024	712.1	219.9	19.8	2.6	100	31.7		Q
2719	7L	12 25 20.9	09 10 38	50	0.00362	0.00078	86.3	129.7	4.6	1.2	0	19.9		s
2724	8L	12 25 52.4	09 22 16	56	0.00296	0.00068	81.8	136.2	4.3	0.5	0	15.1		-
2725	9L	12 25 52.4	09 50 00	51	0.00404	0.00088	85.1	129.9	4.5	1.0	200	23.6		

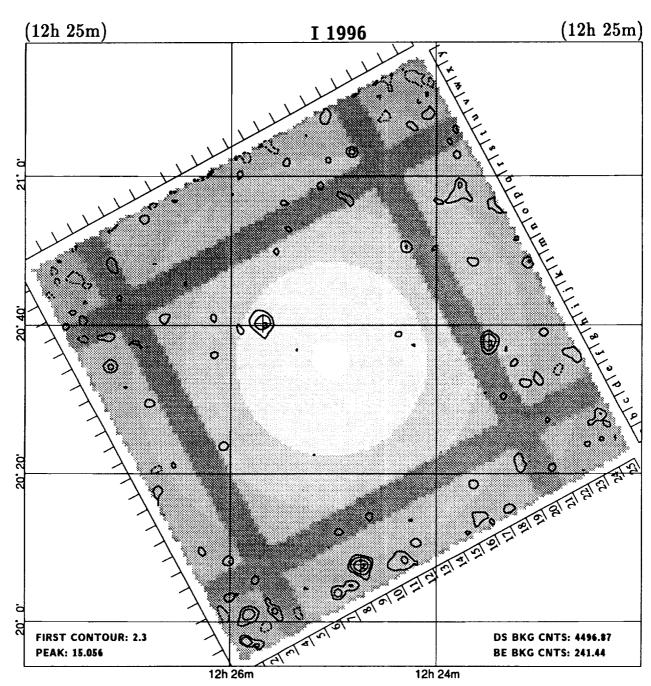


X-RAY STUDY OF BL LAC OBJECTS: 4C20.29

FIELD CENTER: 12^h25^m00.0^s 20°35'59" (B1950) 12^h 27^m 30.9^s 20°19'24" (J2000) ℓ: 262.86 b: \$1.27

DATE: 1979/181 - 1979/181 LIVETIME: 1228.1s ROLL ANGLE: 69.0°

NH: 2.6E+20 REF/ID: FIELD FLAGS: C



X-RAY STUDY OF BL LAC OBJECTS: 4C20.29

FIELD CENTER: 12h25m00.0s 20°35'59" (B1950) 12^h27^m30.9^s 20°19'24" (J2000)

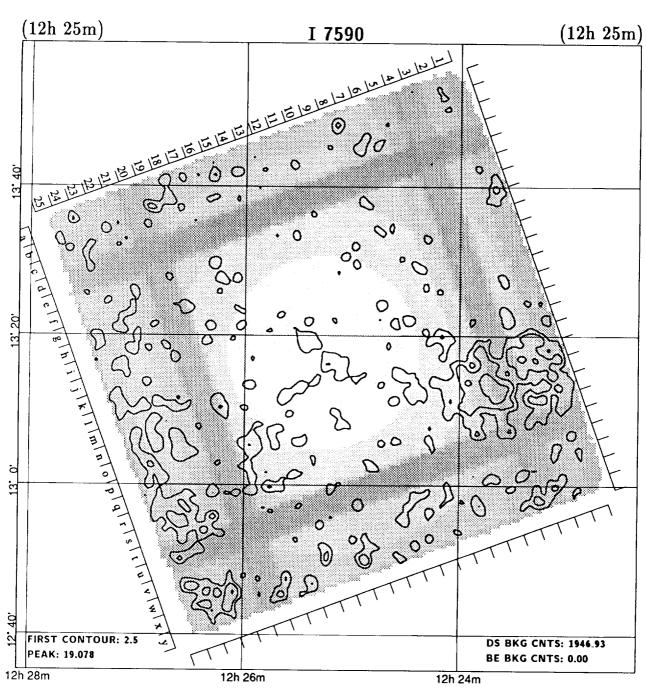
ℓ: 262.86 b: \$1.27

DATE: 1979/349 - 1979/349 LIVETIME: 3644.0s

ROLL ANGLE: -118.5°

NH: 2.6E+20 REF/ID: FIELD FLAGS: C

CAT	FLD	RA	DEC	±	COUNT	±	NET	BKG	S/N	SIZE	RECO	R'	SRC	ID
#	#	(1950)	(1950)	"	RATE		стѕ	CTS		COR			FLG	
2704	1	12 23 29.5	20 37 47	55	*0.0115	0.0029	20.4	6.6	3.9	0.8	905	21.3		
2711	2	12 24 43.8	20 07 44	51	0.0214	0.0044	29.9	7.1	4.9	0.9	0	28.4	Н	
2721	3	12 25 41.4	20 40 15	42	0.0110	0.0026	26.4	11.6	4.3	1.0	0	10.9	Н	



N 4438, NEW SEYFERT 1 GALAXIES

FIELD CENTER: 12h25m13.5 13017'10" (B1950) 12^h27^m45.4^s 13°00'35" (J2000)

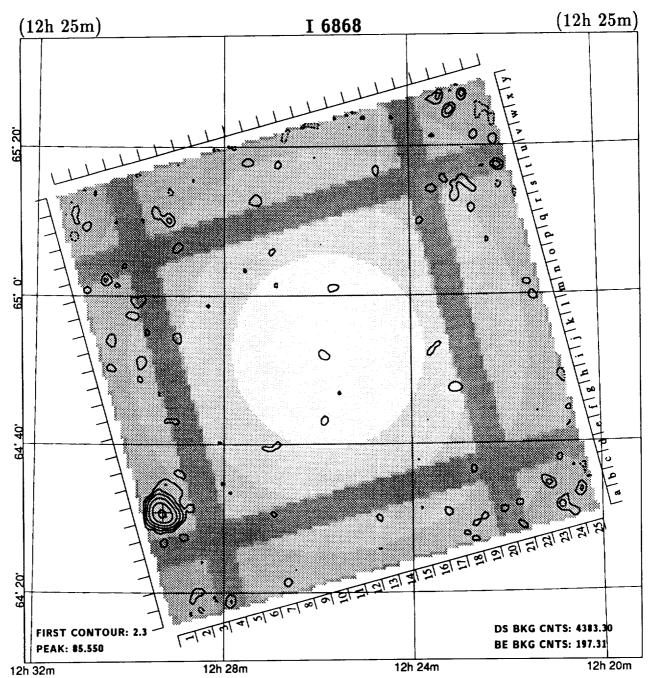
ℓ: 280.34 b: 74.83

DATE: 1980/190 - 1980/190 LIVETIME: 1577.6s

ROLL ANGLE: 69.9°

NH: 2.6E+20 REF/ID:

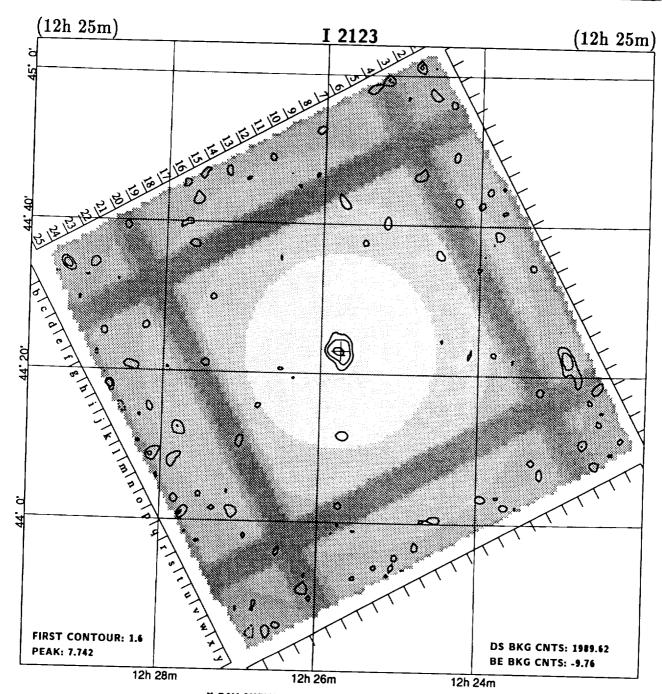
FIELD FLAGS: L



A1546,CLUSTER LUMINOSITIES @ Z=0.25.

FIELD CENTER: $12^{h}25^{m}42.0^{s}$ $64^{o}52'59''$ (B1950) $12^{h}27^{m}59.2^{s}$ $64^{o}36'24''$ (J2000) ℓ : 127.04 b: 52.33 DATE: 1980/357 - 1980/358 LIVETIME: 3551.9s ROLL ANGLE: -104.9° NH: 2.0E+20 REF/ID: CLG FIELD FLAGS:

CAT	FLD	RA	DEC	±	COUNT	±	NET	BKG	S/N	SIZE	RECO	R'	SRC	ID
#	#	(1950)	(1950)	"	RATE		стѕ	CTS		COR			FLG	
2754	1	12 29 17.4	64 30 53	48	0.137	0.011	160.2	6.8	12.4	1.4	0	31.9	Н	



X-RAY SURVEY OF NORMAL GALAXIES: NGC4449

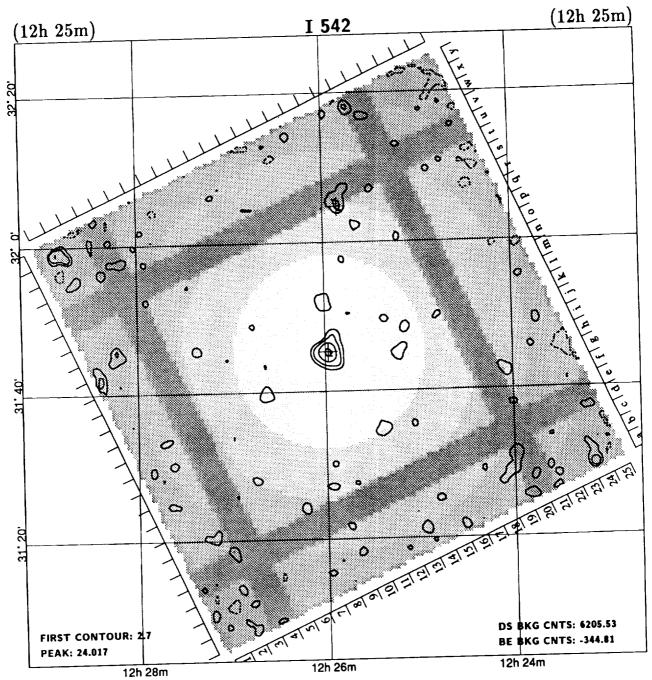
FIELD CENTER: $12^{h}25^{m}48.0^{s}$ $44^{o}21'59''$ (B1950) $12^{h}28^{m}14.1^{s}$ $44^{o}05'24''$ (J2000) ℓ : 136.83 b: 72.41

DATE: 1979/167 - 1979/167 LIVETIME: 1612.3s

ROLL ANGLE: 61.5°

NH: 1.4E+20 REF/ID: FIELD FLAGS:

CAT FLD RA DEC ± COUNT NET BKG S/N SIZE RECO SRC ID # (1950) (1950)RATE CTS CTS COR FLG 2722 12 25 44.9 44 23 03 0.0293 0.0053 35.3 4.7 5.6 1.3 0 1.3 Н G



B2 1225+31 QUASAR SURVEY

FIELD CENTER: 12^h25^m56.0^s 31°45'47" (B1950) 12^h28^m24.9^s 31°29'12" (J2000)

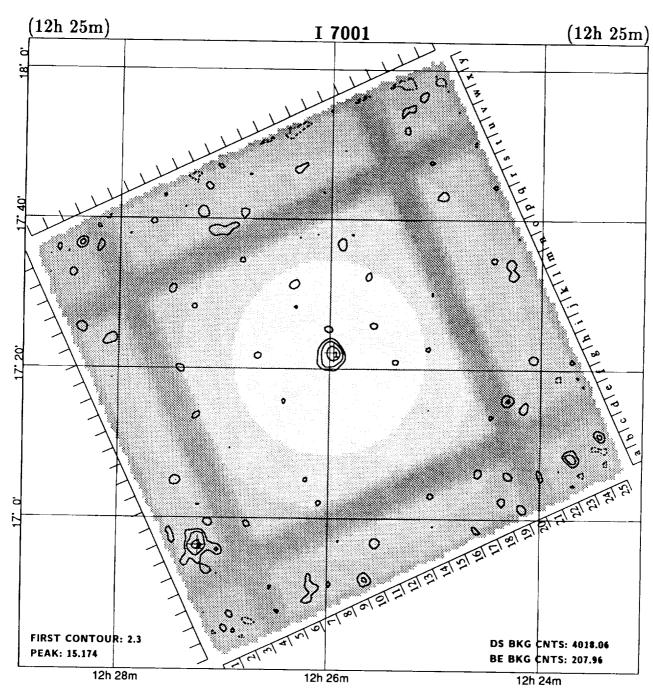
ℓ: 170.58 b: 83.35

DATE: 1978/353 - 1978/353 LIVETIME: 5028.5s

ROLL ANGLE: -114.8°

NH: 1.5E+20 REF/ID: ! FIELD FLAGS:

CAT FLD	RA	DEC	± "	COUNT	±	NET CTS	BKG CTS	S/N	SIZE	RECO	R'	SRC FLG	ID
# # 2723 1 2728 2		(1950) 32 04 48 31 45 16	58 31	*0.0073 0.0258	0.0020 0.0028	18.8 96.7	9.2 13.3	3.5 9.2	1.0 1.3	1108 0	19.6 0.8	H	Q

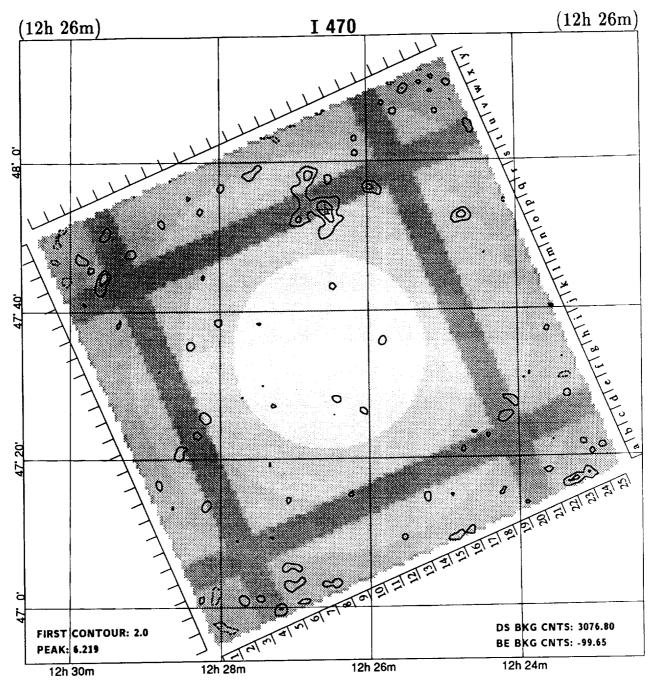


NGC 4450, VIRGO CLUSTER GALAXY SURVEY

FIELD CENTER: $12^{h}25^{m}58.2^{s}$ $17^{o}21'41''$ (B1950) $12^{h}28^{m}29.5^{s}$ $17^{o}05'06''$ (J2000) ℓ : 273.91 b: 78.64

DATE: 1979/353 - 1979/353 LIVETIME: 3256.0s ROLL ANGLE: -115.1° NH: 2.4E+20 REF/ID: FIELD FLAGS:

CAT	FLD	RA	DEC	±	COUNT	±.	NET	BKG	S/N	SIZE	RECO	R'	SRC	ID
#	#	(1950)	(1950)	"	RATE		CTS	CTS	.,	COR	11200	•	FLG	10
2727	1	12 25 57.7	17 22 09	35	0.0264	0.0036	64.1	10.9	7.4	1.2	0	0.2	H	
2734	2	12 27 13.8	16 56 23	55	0.0173	0.0046	19.2	6.8	3.8	1.3	0	31.1	н	



A 1550 - mispointed 15' North

FIELD CENTER: 12^h26^m29.5^s 47°34′58" (B1950) 12^h28^m54.5^s 47°18′23" (J2000)

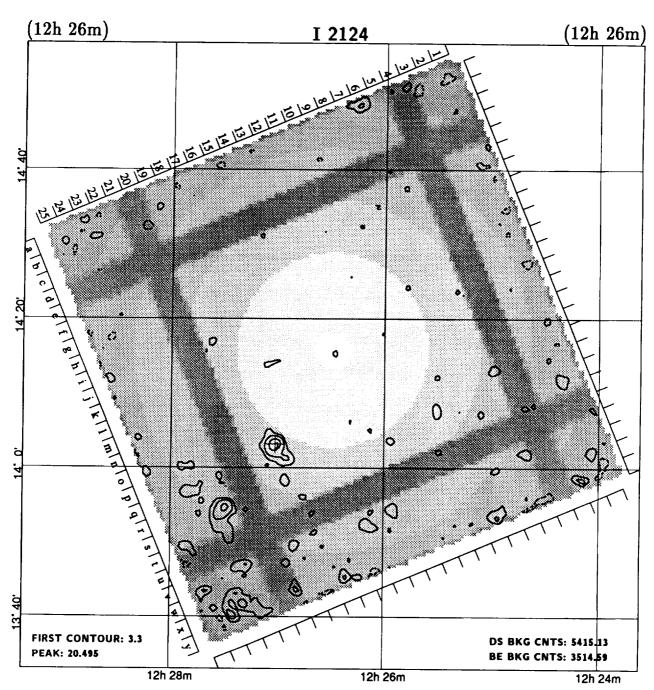
l: 133.81 b: 69.34

DATE: 1978/352 - 1978/352 LIVETIME: 2493.2s

ROLL ANGLE: -113.4°

NH: 1.2E+20 REF/ID: FIELD FLAGS:

SRC ID SIZE RECO NET BKG S/N COUNT DEC ± RA CAT FLD COR FLG CTS CTS RATE (1950)(1950)18.8 5.0 3.6 2.9 1108 17.0 47 53 33 55 *0.0131 0.0036 12 26 34.1 2730

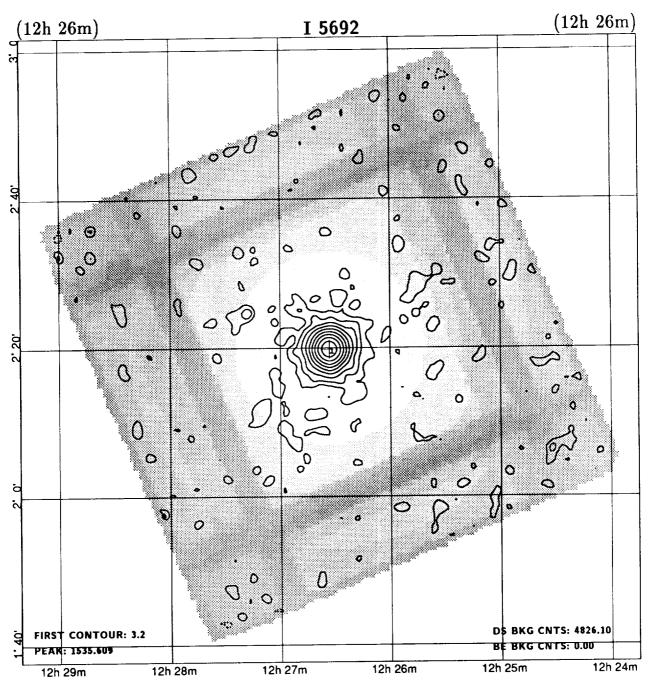


X-RAY SURVEY OF NORMAL GALAXIES: NGC4459

FIELD CENTER: $12^{h}26^{m}30.0^{s}$ $14^{o}14'59''$ (B1950) $12^{h}29^{m}01.7^{s}$ $13^{o}58'25''$ (J2000) ℓ : 280.14 b: 75.84

DATE: 1979/181 - 1980/177 LIVETIME: 4388.1s ROLL ANGLE: 67.3° NH: 2.7E+20 REF/ID: FIELD FLAGS: L

CAT	FLD	RA	DEC	±	COUNT	±	NET	BKG	S/N	SIZE	RECO	R'	SRC	ID
#	#	(1950)	(1950)	"	RATE		CTS	CTS		COR			FLG	
2733	1L	12 27 01.3	14 03 11	41	0.0190	0.0041	49.4	30.6	4.5	1.3	0	13.9	Α	Q



3C 273: STUDY OF VARIABILITY

FIELD CENTER: 12^h26^m33.0^s 02°19'41" (B1950) 12^h29^m06.4^s 02°03'07" (J2000)

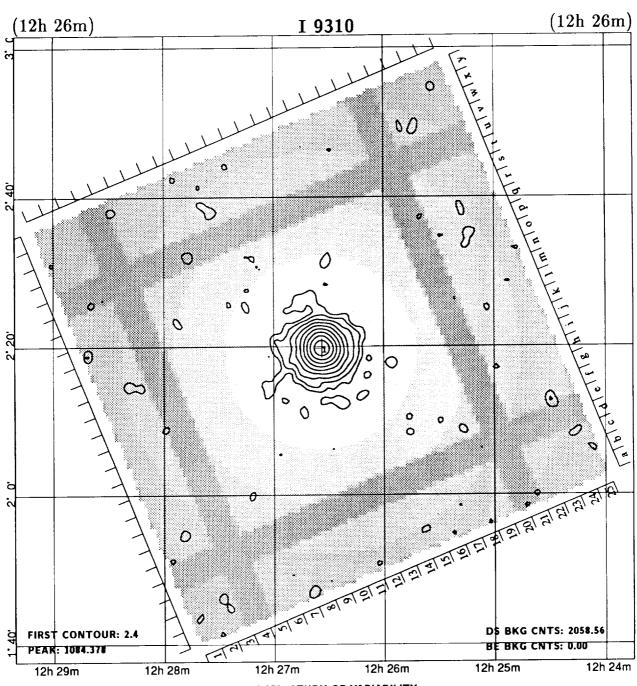
ℓ: 289.95 b: 64.36

DATE: 1980/ 1 - 1980/193

LIVETIME: 3910.76

NH: 1.8E+20 REF/ID: Q FIELD FLAGS: L

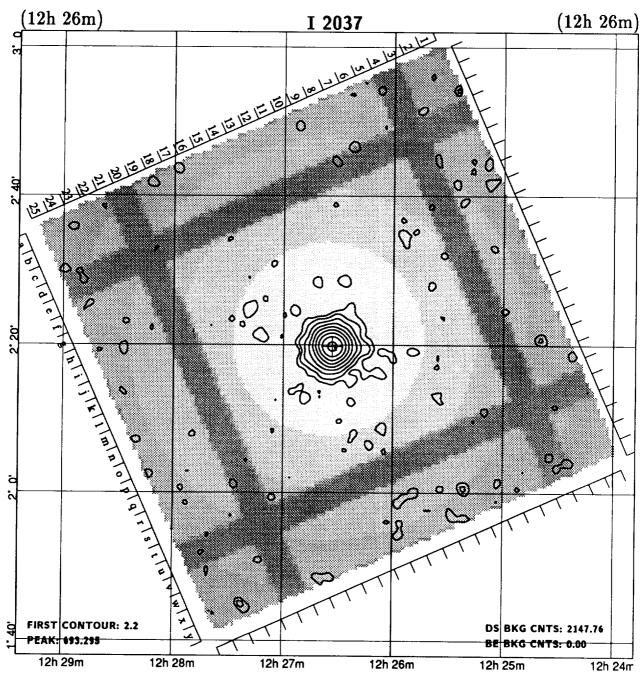
CA	ΑT	FLD	RA	DEC	±	COUNT	±	NET	BKG	S/N	SIZE	RECO	R'	SRC	ID
#	ŧ	#	(1950)	(1950)	"	RATE		CTS	CTS		COR			FLG	
27	29	1L	12 26 33.2	02 19 49	31	1.976	0.031	5771.7	726.3	63.0	1.3	0	0.1	A	Q



3C 273: STUDY OF VARIABILITY

FIELD CENTER: $12^{h}26^{m}33.1^{s}$ $02^{\circ}19'40''$ (B1950) $12^{h}29^{m}06.5^{s}$ $02^{\circ}03'06''$ (J2000) ℓ : 289.95 b: 64.36 DATE: 1980/348 - 1981/ 8 LIVETIME: 1668.1s ROLL ANGLE: -112.3° NH: 1.8E+20 REF/ID: Q FIELD FLAGS: L

CA	T	FLD	RA	DEC	±	COUNT	±	NET	BKG	S/N	SIZE	RECO	R'	SRC	ID
#	Ł	#	(1950)	(1950)	"	RATE		CTS	CTS		COR			FLG	
27	29	1L	12 26 33.8	02 19 47	31	3.161	0.063	3924.5	706.5	50.3	1.5	0	0.3	Α	Q

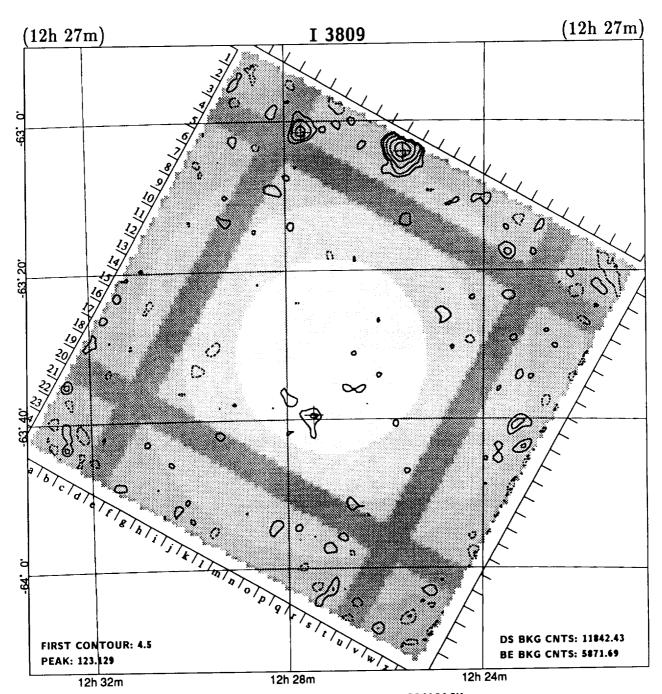


3C 273: X-RAY STUDY OF QUASARS

FIELD CENTER: 12^h26^m36.0^s 02°19'59" (B1950) 12^h29^m09.4^s 02°03'25" (J2000)

12"29""09.4" 02"03'25" (J200 £: 289.97 b: 64.37 DATE: 1979/171 - 1979/172 LIVETIME: 1740.46 ROLL ANGLE: 66.1° NH: 1.8E+20 REF/ID: Q FIELD FLAGS: L

CAT FLD	RA	DEC	±	COUNT	±	NET	BKG	S/N	SIZE	RECO	R'	SRC	ID
# #	(1950)	(1950)	"	RATE		CTS	CTS		COR			FLG	
2729 1L	12 26 33.4	02 19 49	31	2.047	0.049	2647.3	450.7	41.5	1.4	0	0.7	A	Q



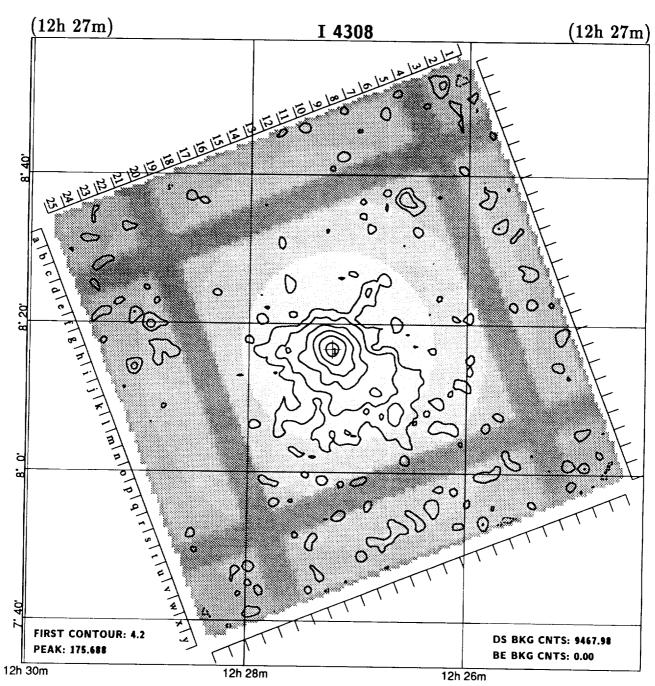
DENSE INTERSTELLAR CLOUDS: COALSACK

FIELD CENTER: 12^h27^m00.0^s -63°31'47" (B1950) 12^h 29^m 50.4^s -63°48'22" (J2000)

DATE: 1979/241 - 1979/241 LIVETIME: 9596.4. ROLL ANGLE: 29.6° ℓ: 300.55 b: -1.03

NH: 1.5E+21 REF/ID: FIELD FLAGS:

CAT	FLD	RA (1050)	DEC	± "	COUNT RATE	±	NET CTS	BKG CTS	S/N	SIZE	RECO	R'	SRC FLG	1D
2720	# 1	(1950) 12 25 37.5	(1950) -63 04 10	47	0.0750	0.0048	262.6		15.5	1.3	400	29.1	Н	-
2738 2742	2	12 27 27.4 12 27 39.9		43 56	0.0051 *0.0133	0.0013 0.0023	33.3 44.2	41.7 14.8	3.8 5.8	0.8 1.0	0 1206	8.2 30.6	H	



VIRGO CLUSTER FOLLOW-UP: NGC 4472

FIELD CENTER: 12h27m12.0 08°15'59" (B1950)

12^h29^m44.5^s 07°59'25" (J2000)

ℓ: 286.90 b: 70.18

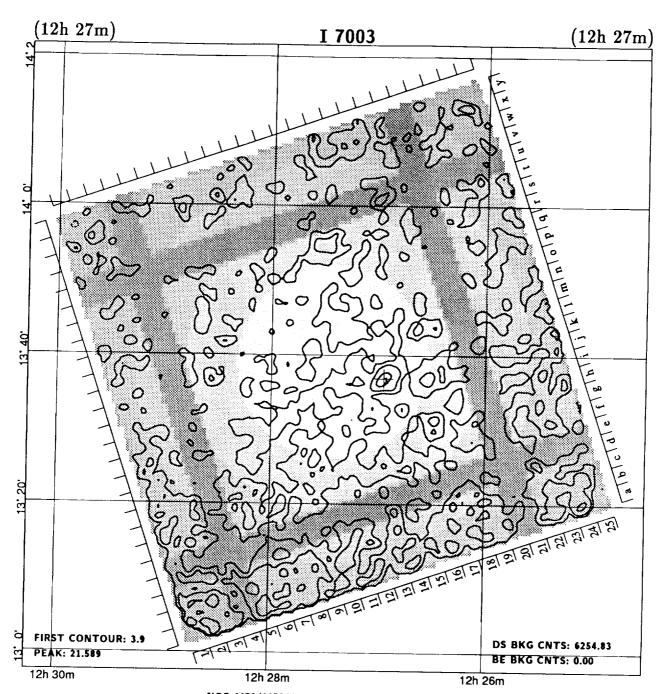
DATE: 1979/183 - 1979/191 LIVETIME: 7672.2s

ROLL ANGLE: 68.6°

NH: 1.6E+20 REF/ID:

FIELD FLAGS: L

# # (1950) (1950) " RATE CTS CTS COR FLG	CAT	FLD	RA	DEC	±	COUNT		NET	BKG	S/N	SIZE	RECO	R'	SRC	ID
2735 11 12 27 14 1 08 16 31 31 0 0052 0 0063	#	#	(1950)	(1950)	"	RATE			CTS	٥,.٠	l	RECO	K	1	1U
	2735	1L	12 27 14.1	08 16 31	31	0.0952	0.0063	543.1	340.9	15.1	4.2	0	0.6	Δ	<u> </u>



NGC 4473/4477, VIRGO CLUSTER GALAXY SURVEY

FIELD CENTER: 12^h27^m23.7^s 13°39'32" (B1950) 12^h29^m55.4^s 13°22'58" (J2000)

ℓ: 281.78 b: 75,36

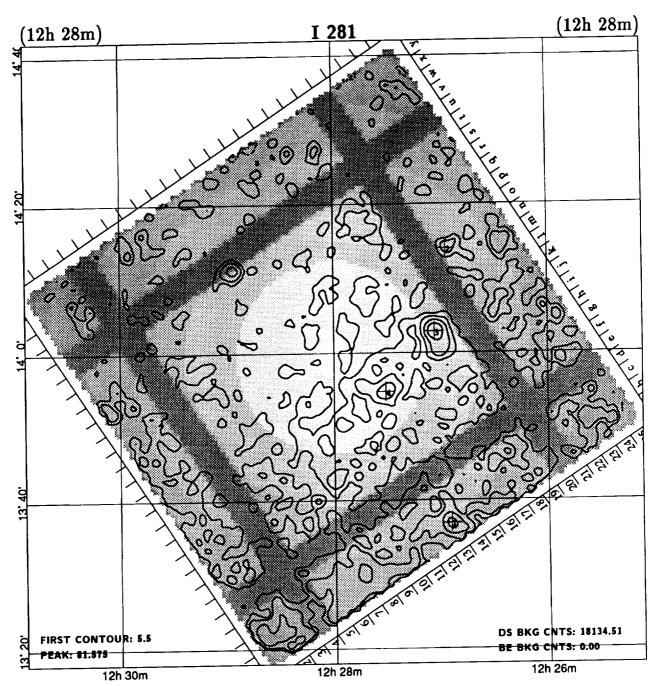
DATE: 1981/ 11 - 1981/ 11 LIVETIME: 5068.5s

ROLL ANGLE: -108.6°

NH: 2.6E+20 REF/ID:

FIELD FLAGS: L

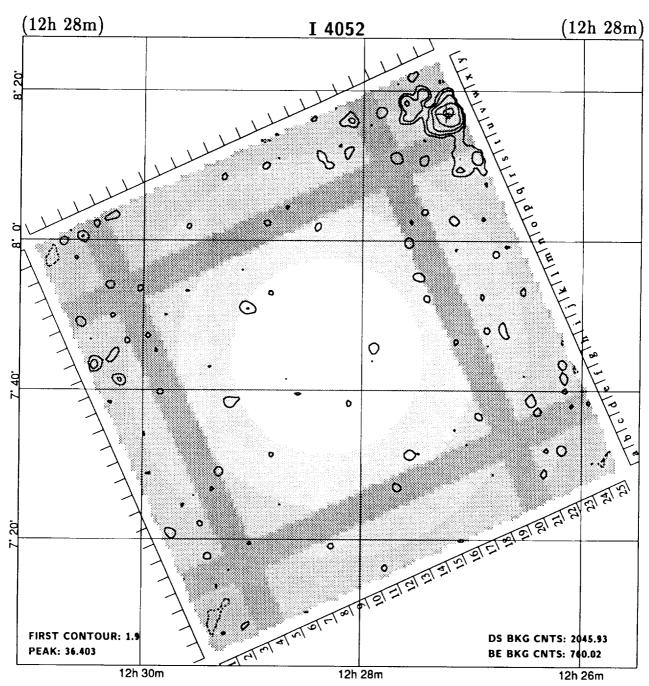
CAT #	FLD #	RA (1950)	DEC (1950)	± "	COUNT RATE	±	NET CTS		S/N	SIZE	RECO	R'	SRC FLG	ID
2732	1L	12 26 56.8	13 36 52	41	0.0155	0.0036	54.4	51.6	4.2	6.1	0	6.9	A	0



NGC 4254 VIRGO CLUSTER IMAGE

FIELD CENTER: 12^h28^m00.0^s 13°59'59" (B1950) 12^h30^m31.6^s 13°43'25" (J2000) £: 281.88 b: 75.73 DATE: 1978/356 - 1978/357 LIVETIME: 14695.0e ROLL ANGLE: -123.3° NH: 2.7E+20 REF/ID: ! FIELD FLAGS: LS

CAT #	FLD #	RA (1950)	DEC (1950)	± "	COUNT	±	NET CTS	BKG CTS	S/N	SIZE COR	RECO	R'	SRC FLG	ID
2732		12 26 54.6	13 36 53	49	0.0165	0.0026	94.2	58.8	6.2	28.3	100	28.1	Α	Q
2731	2L	12 26 56.7	14 13 58	65	*0.0065	0.0018	46.7	34.3	3.5	1.1	602	20.8		_
2733	3L	12 27 03.5	14 02 50	38	0.0210	0.0023	185.5	110.5	8.9	19.8	100	14.0	A	Q
2739	4L	12 27 30.9	13 54 47	38_	0.0089	0.0017	89.1	101.9	5.1	39.0	0	8.6	<u></u>	G



HIGH REDSHIFT QUASAR

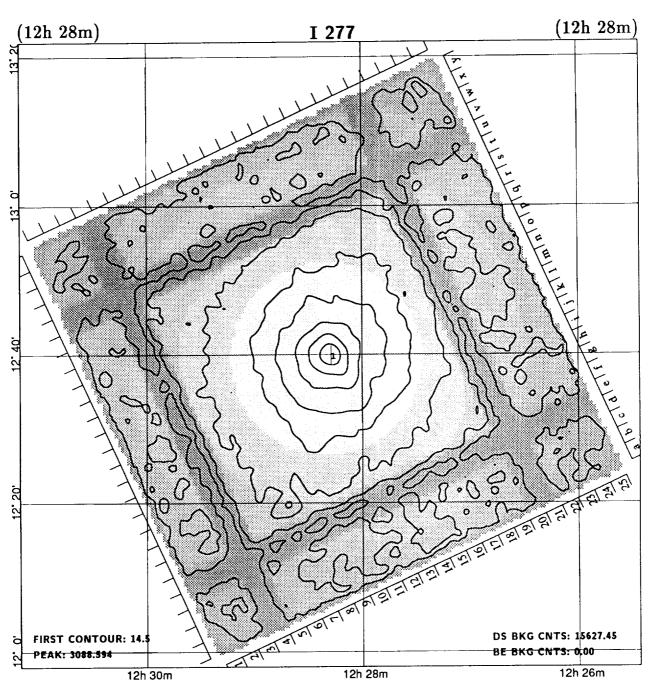
FIELD CENTER: 12^h28^m18.0^s 07°44′59" (B1950) 12h 30m 50.6s 07°28'26" (J2000)

ℓ: 288.04 *b*: 69.75

DATE: 1979/354 - 1979/354 LIVETIME: 1657.9s ROLL ANGLE: -114.5°

NH: 1.6E+20 REF/ID: FIELD FLAGS:

CAT	FLD	RA	DEC	±	COUNT	±	NET	BKG	S/N	SIZE	RECO	R'	SRC	ID
#	#	(1950)	(1950)	"	RATE		CTS	CTS		COR			FLG	
2735	1	12 27 15.1	08 16 56	50	0.126	0.018	51.7	3.3	7.0	2.2	300	35.5	AH	G



M87 VIRGO CLUSTER IMAGE

FIELD CENTER: 12^h28^m18.0^s 12°39′59″ (B1950) 12^h30^m49.8^s 12°23′26″ (J2000)

ℓ: 283.78 *b*: 74.49

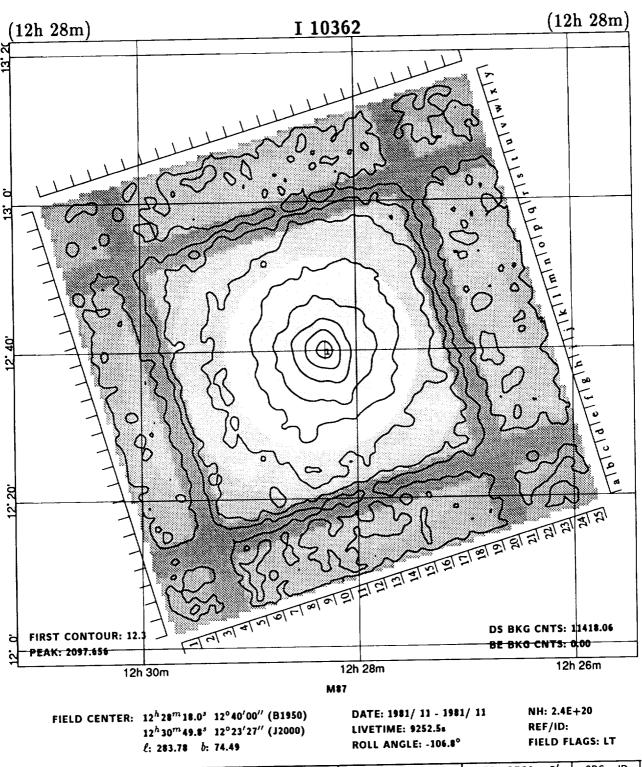
DATE: 1978/354 - 1978/357 LIVETIME: 12663.4s

ROLL ANGLE: -114.8°

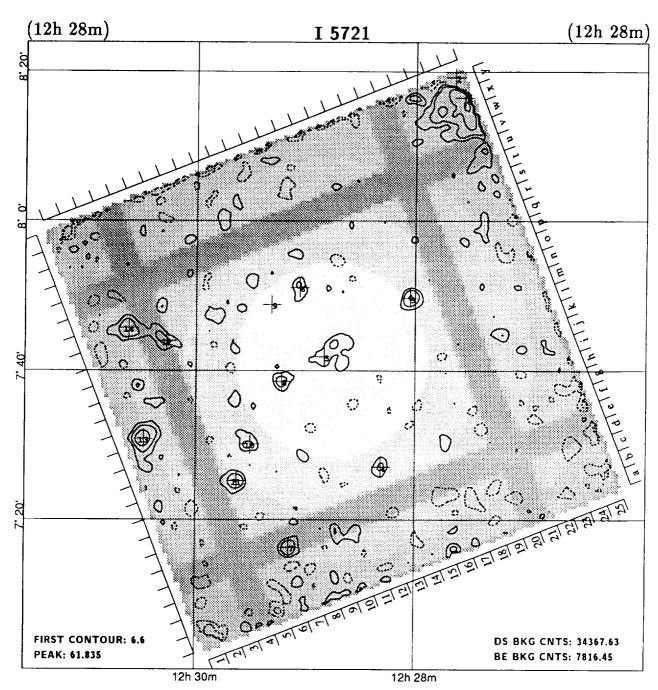
NH: 2.4E+20 REF/ID: ! FIELD FLAGS: DLT

CAT	FLD	RA	DEC	±	COUNT	±	NET	BKG	S/N	SIZE	RECO	R'	SRC	ID
#	#	(1950)	(1950)	"	RATE		CTS	CTS		COR			FLG	
2744	1L	12 28 17.4	12 40 00	31	0.846	0.016	7973.5	7274.5	52.5	12.5	0	0.0	A	G

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CAT	FLD	RA	DEC	±	COUNT	±	NET	BKG	S/N	SIZE	RECO	R'	SRC FLG	ID
#	#	(1950)	(1950)	"	RATE		стѕ	CTS		COR		0.0	120	
2744	1L	12 28 17.5	12 40 03	31	0.753	0.019	5186.5	5495.5	40.5	12.0	0	0.0	<u> </u>	



MEDIUM DEPTH SURVEY: FAIRALL X

FIELD CENTER: $12^{h}28^{m}43.9^{s}$ $07^{o}41'52''$ (B1950) $12^{h}31^{m}16.5^{s}$ $07^{o}25'19''$ (J2000) ℓ : 288.37 ℓ : 69.72

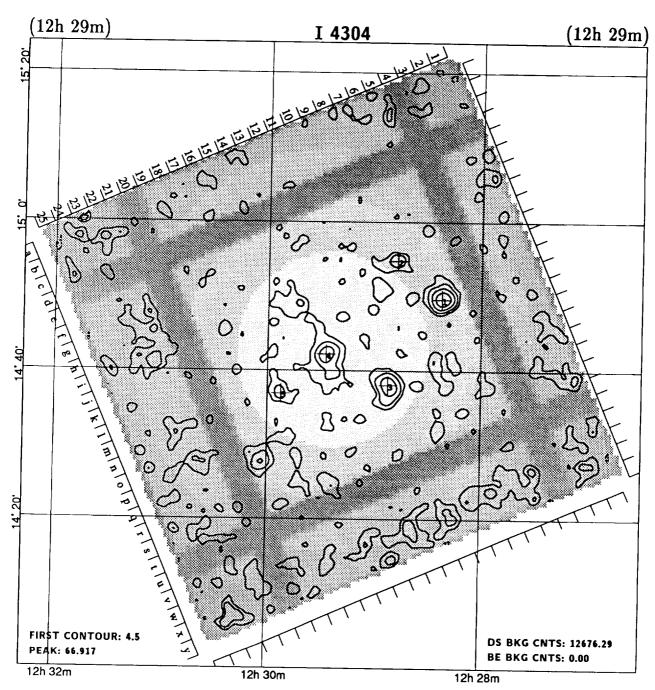
DATE: 1981/ 6 - 1981/ 8 LIVETIME: 27849.3¢ ROLL ANGLE: -111.3° NH: 1.6E+20 REF/ID: FIELD FLAGS:

CAT	FLD	RA	DEC	±	COUNT	±	NET	BKG	S/N	SIZE	RECO	R'	SRC	ID
#	#	(1950)	(1950)	"	RATE		CTS	CTS		COR			FLG	
2740	1	12 27 33.5	08 16 31	55	*0.0164	0.0025	77.0	62.0	6.5	4.7	602	38.8	EH	
2741	2	12 27 38.6	08 19 13	57	*0.0106	0.0028	34.6	47.4	3.8	0.0	1105	40.8	EH	
2743	3	12 28 02.8	07 49 39	41	0.00519	0.00077	89.2	86.8	6.7	0.9	0	12.7	н	
2745	4	12 28 18.6	07 27 03	51	0.00310	0.00072	50.2	85.8	4.3	0.7	0	15.9		
2749	5	12 28 49.8	07 41 52	41	0.00240	0.00058	49.6	95.4	4.1	4.7	0	3.1		
2751	6	12 29 03.3	07 51 05	42	0.00283	0.00065	51.8	91.2	4.3	0.8	0	10.7	Н	
2752	7	12 29 08.7	07 16 19	57	*0.00514	0.00090	60.2	50.8	5.7	0.8	1409	26.3		
2753	8	12 29 13.0	07 38 31	41	0.00367	0.00070	70.7	113.3	5.2	0.7	0	7.7		
2755	9L	12 29 18.7	07 48 50	48	0.00318	0.00080	57.7	77.3	3.9	0.0	0	11.1		
2759	10	12 29 30.2	07 30 04	53	0.00364	0.00074	58.6	85.4	4.9	0.8	0	16.2	н	

Source Table cont.

I 5721 cont.

CAT	FLD	RA	DEC	±	COUNT	±	NET	BKG	S/N	SIZE	RECO	R'	SRC	ID
#	#	(1950)	(1950)	11	RATE		CTS	CTS		COR			FLG	
2761	11	12 29 37.6	07 25 13	51	0.00450	0.00080	62.8	63.2	5.6	0.9	300	21.3	н	
2765	12	12 30 16.1	07 44 00	56	*0.00321	0.00074	41.9	52.1	4.3	2.9	1007	22.9	Α	
2767	13	12 30 28.4	07 30 48	50	0.0086	0.0012	93.3	68.7	7.3	1.3	100	28.2	н	
2768	14	12 30 36.8	07 45 43	60	*0.0049	0.0010	52.2	64.8	4.8	2.0	601	28.6	Н	



VIRGO CLUSTER FOLLOW-UP: NGC 4501

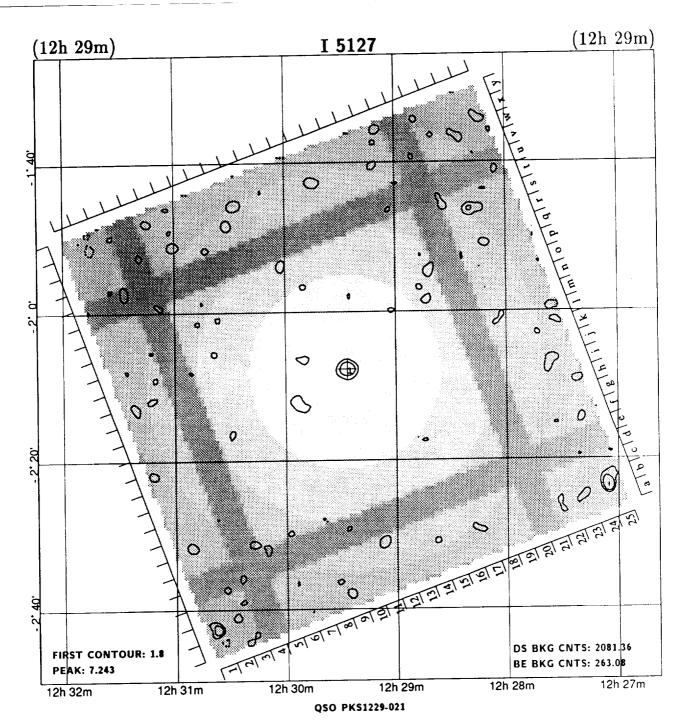
FIELD CENTER: $12^{h}29^{m}24.0^{s}$ $14^{o}41'59''$ (B1950) $12^{h}31^{m}55.4^{s}$ $14^{o}25'26''$ (J2000) ℓ : 282.26 b: 76.51

DATE: 1980/178 - 1980/178 LIVETIME: 10272.0s

LIVETIME: 10272.06 REF/ID:
ROLL ANGLE: 66.8° FIELD FLAGS: LS

NH: 2.5E+20

CAT	FLD	RA	DEC	±	COUNT	±	NET	BKG	S/N	SIZE	RECO	R'	CDC	
#	#	(1950)	(1950)	"	RATE	_	1 -	CTS	5/11	COR	KECO	ĸ	SRC FLG	ID
2746	1L	12 28 22.2	14 49 31	47	0.0312	0.0030	182.9	42.1	10.4	1.2		16.8	1120	
2748	2L	12 28 47.2	14 54 41	51	0.0076	0.0018	1	34.8		1.1	0			
2750	3L	12 28 52.2	14 38 03	38	0.0128	0.0022	88.7	64.3	5.8		0	15.5		
2758	4L	12 29 27.1	14 42 14	31	0.0116	0.0020	88.3	67.7		1.6	U	8.7		
2763	5L	12 29 52.4					1		5.7	2.2	0	0.8		
		12 23 32.4	17 30 34	72	0.0063	0.0016	43.9	36.1	3.9	1.1	0	8.5		



FIELD CENTER: 12^h29^m26.0^s -02°07'31" (B1950) 12^h32^m00.1^s -02°24'05" (J2000)

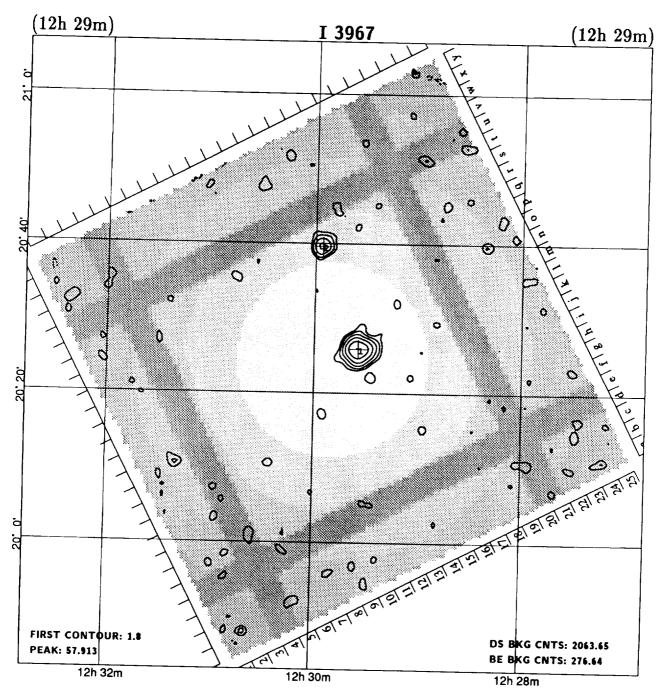
ℓ: 293.16 b: 60.10

DATE: 1979/355 - 1979/355 LIVETIME: 1686.6s

ROLL ANGLE: -110.1°

NH: 2.3E+20 REF/ID: FIELD FLAGS:

CAT FLD	RA (1950)	DEC (1950)	士 "	COUNT	±	NET CTS	BKG CTS	S/N	SIZE	RECO	R'	SRC FLG	ID
2757 1	12 29 26.4		36	0.0199	0.0044	25.0	6.0	4.5	0.8	0	0.2	Н	Q



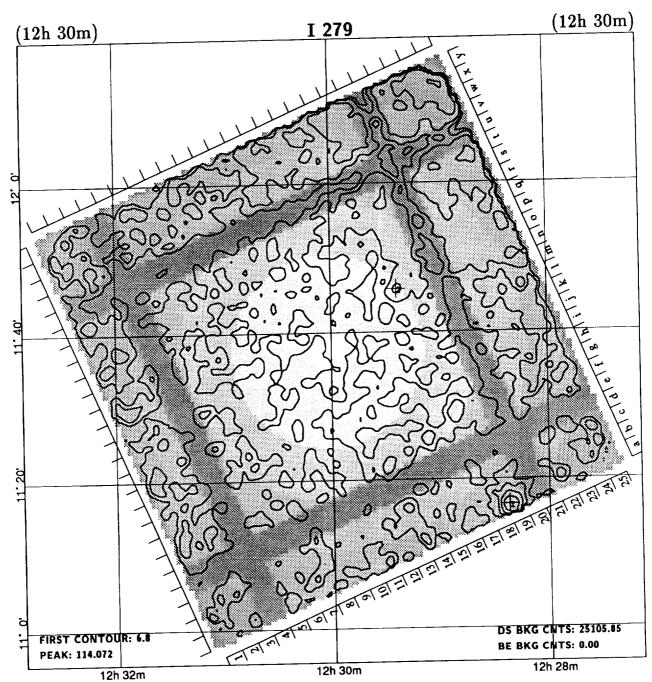
1229+204, BRIGHT NEARBY QUASAR

FIELD CENTER: $12^{h}29^{m}48.0^{s}$ $20^{o}24'59''$ (B1950) $12^{h}32^{m}18.4^{s}$ $20^{o}08'26''$ (J2000) ℓ : 269.85 b: \$1.75

DATE: 1979/348 - 1979/348 LIVETIME: 1672.26 ROLL ANGLE: -117.4°

NH: 2.6E+20 REF/ID: FIELD FLAGS:

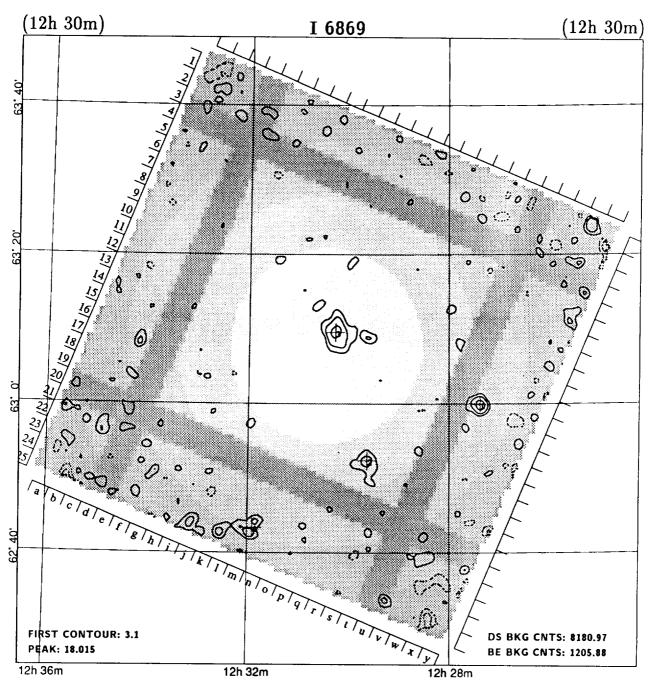
# #	1950) (199				NET		S/N		RECO	D' .		
<u>" " '</u>	1950) (19:	50) "	RATE		стѕ	CTS	-,	COR	MECO	R'	SRC	ID
2760 1 12	29 34.4 20 25	54 31	0.206	0.013	249.8		15.6			3.2	FLG	
2764 2 12 2	29 55.8 20 39	36 41	0.0500	0.0075	49.0	5.0	6.7	1.5	0	3.2	Н	۱۲



NGC 4406 VIRGO CLUSTER IMAGE

FIELD CENTER: $12^h 30^m 00.0^s$ $11^o 37' 29''$ (B1950) $12^h 32^m 31.9^s$ $11^o 20' 57''$ (J2000) ℓ : 286.30 b: 73.61 DATE: 1978/359 - 1978/360 LIVETIME: 20344.0s ROLL ANGLE: -113.6° NH: 2.3E+20 REF/ID: G FIELD FLAGS: L

ĺ	CAT	FLD "	RA (1950)	DEC (1950)	± "	COUNT RATE	±	NET CTS	BKG CTS	S/N	SIZE COR	RECO	R'	SRC ID FLG	
	# 2747		12 28 22.2	11 16 33		*0.0226	0.0029 0.0013	157.8 60.0	67.2 108.0	7.8 3.6	1.4 157.1	601 0	31.8 12.2	1	
	2756	2L	12 29 23.5	11 45 45	41	0.0047	0.0013	00.0							_

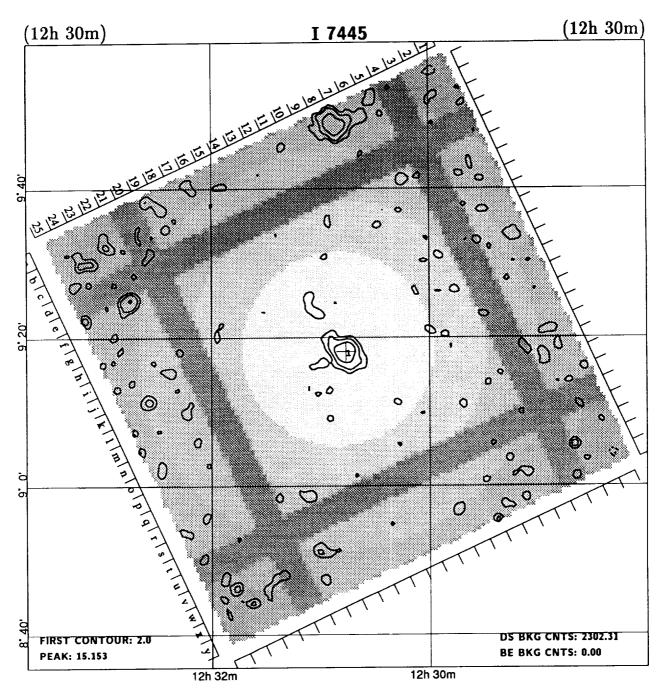


A1557,CLUSTER LUMINOSITIES @ Z=0.25.

FIELD CENTER: $12^h30^m24.0^s$ $63^{\circ}06'59''$ (B1950) $12^h32^m39.8^s$ $62^{\circ}50'27''$ (J2000) ℓ : 126.59 b: 54.15

DATE: 1980/113 - 1980/113 LIVETIME: 6629.5s ROLL ANGLE: 22.6° NH: 1.6E+20 REF/ID: FIELD FLAGS:

CAT	FLD	RA	DEC	±	COUNT	±	NET	BKG	S/N	SIZE	RECO	R'	SRC	ID
#	#	(1950)	(1950)	"	RATE		стѕ	CTS		COR			FLG	ĺ
2736	1	12 27 23.1	62 59 53	51	*0.0113	0.0022	35.4	12.6	5.1	0.9	702	21.5	н	
2762	2	12 29 37.6	62 52 22	53	0.0077	0.0018	28.9	19.1	4.2	1.1	0	15.2	н	
2766	3	12 30 16.3	63 09 33	35	0.0140	0.0020	68.3	23.7	7.1	1.5	0	2.7	н	
2774	4	12 31 54.1	62 43 22	61	0.0080	0.0022	21.7	15.3	3.6	1.1	0	25.7		İ



WOLF 424, RADIO STAR

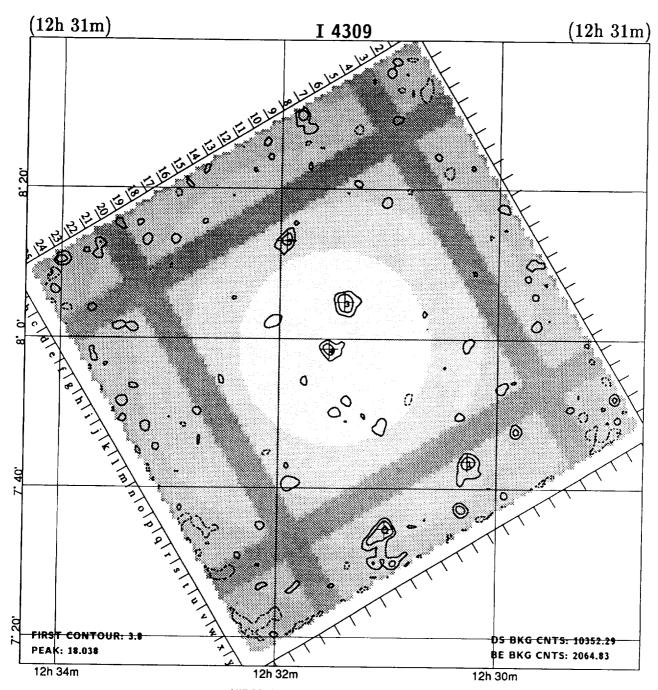
FIELD CENTER: 12^h30^m51.0^s 09°17'35" (B1950)

 $12^h 33^m 23.2^s 09^\circ 01'03'' (J2000)$ ℓ : 288.84 b: 71.39 DATE: 1980/171 - 1980/171 LIVETIME: 1865.6s

ROLL ANGLE: 65.1°

NH: 1.7E+20 REF/ID: FIELD FLAGS: L

SIZE RECO SRC ID COUNT NET BKG S/N DEC CAT FLD RA **±** FLG COR RATE CTS CTS (1950)(1950)# 0.0076 53.3 24.7 5.0 1.5 0 1.3 12 30 46.1 09 18 07 0.0385 2769 1L



VIRGO CLUSTER FOLLOW-UP: NGC 4526

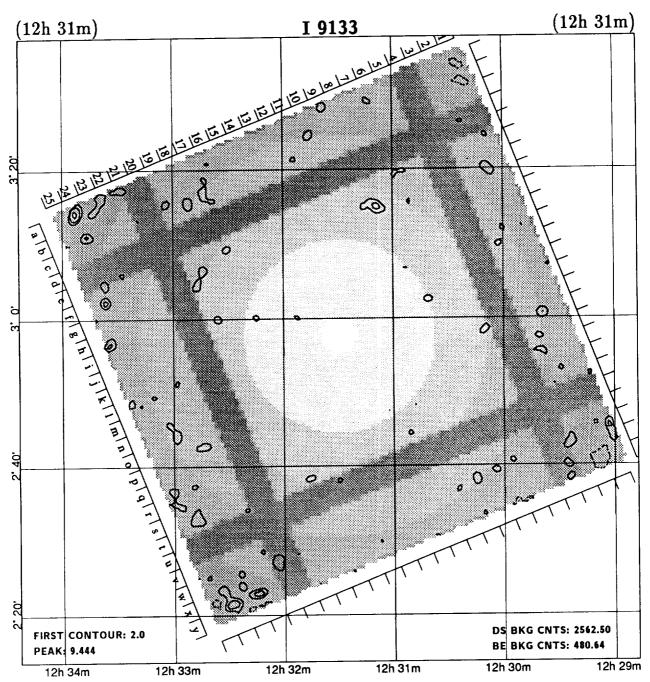
FIELD CENTER: $12^h 31^m 30.0^s 07^\circ 57' 59''$ (B1950) $12^h 34^m 02.4^s 07^\circ 41' 28''$ (J2000) ℓ : 290.16 b: 70.13

DATE: 1979/190 - 1979/190 LIVETIME: 8388.8s

ROLL ANGLE: 58.9°

NH: 1.6E+20 REF/ID: FIELD FLAGS:

CAT #	FLD #	RA (1950)	DEC (1950)	± "	COUNT RATE	±	NET CTS	BKG CTS	S/N	SIZE COR	RECO	R'	SRC FLG	ID
2765	1	12 30 16.0	07 43 35	56	*0.0071	0.0018	26.8	17.2	4.0	1.1	501	23.4	AH	
2770	2	12 31 00.8	07 34 30	51	0.0112	0.0022	40.3	20.7	5.2	1.8	0	24.4	н	
2772	3	12 31 24.3	08 04 54	41	0.0094	0.0016	55.3	31.7	5.9	1.0	0	7.0	АН	i
2773	4	12 31 32.5	07 58 36	35	0.0062	0.0014	38.9	34.1	4.6	0.8	0	0.8	н	i
2776	5	12 31 56.5	08 13 04	52	0.0067	0.0015	32.7	23.3	4.4	0.9	100	16.9	Н	



CAREFULLY SELECTED She GALAXIES: NGC 4527

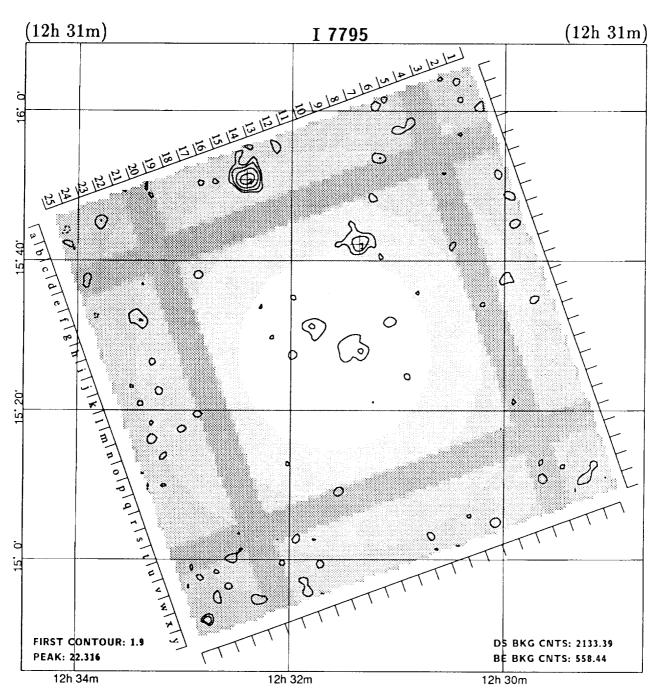
FIELD CENTER: 12^h31^m35.4^s 02°55'41" (B1950) 12^h34^m08.7^s 02°39'10" (J2000)

ℓ: 292.60 b: 65.18

DATE: 1980/197 - 1980/197 LIVETIME: 2076.5s

ROLL ANGLE: 68.3°

NH: 1.9E+20 REF/ID: FIELD FLAGS:



A1560, CLUSTERS OF GALAXIES SURVEY

FIELD CENTER: 12h31m36.0s 15°26'59" (B1950) 12^h 34^m 07.1^s 15° 10'28" (J2000)

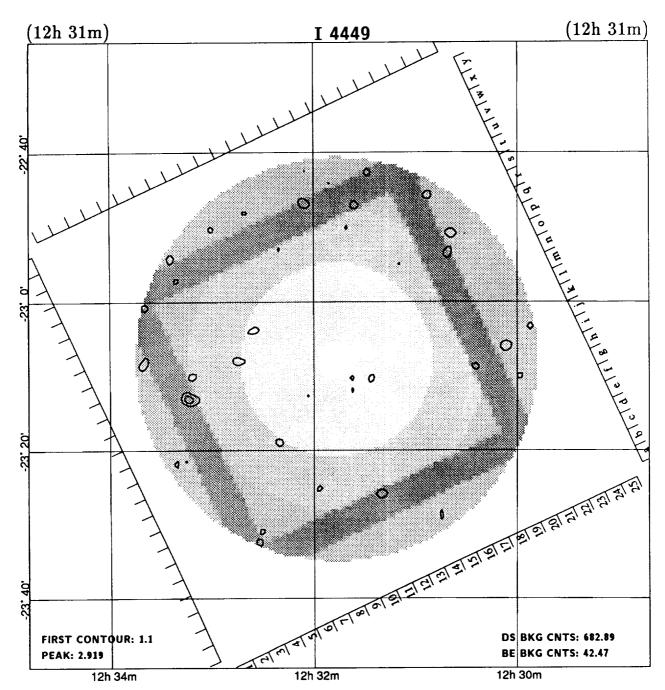
ℓ: 283.44 b: 77.39

DATE: 1980/190 - 1980/190 LIVETIME: 1728.8s

ROLL ANGLE: 70.2°

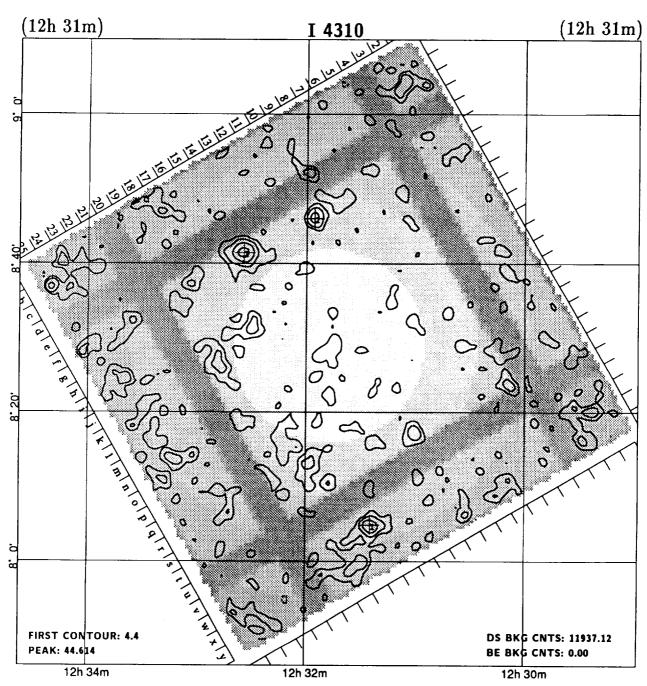
NH: 2.3E+20 REF/ID: ! FIELD FLAGS:

CAT	FLD	RA	DEC	±	COUNT	±	NET	BKG	S/N	SIZE	RECO	R'	SRC	ID
#	#	(1950)	(1950)	"	RATE		CTS	CTS		COR			FLG	
2771	1	12 31 21.6	15 42 12	52	0.0221	0.0052	22.7	5.3	4.3	1.1	0	15.4	н	
2779	2	12 32 25.3	15 50 47	50	0.071	0.010	50.8	4.2	6.9	1.2	0	26.7	Н	



BETA CRV, CORRELLATION OF X RAYS WITH STELLAR WIND AND ROTATION

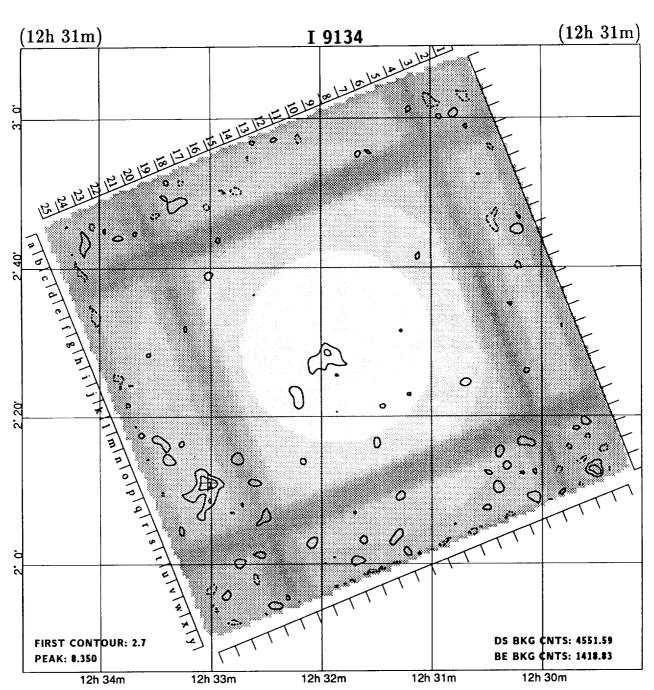
FIELD CENTER: $12^h 31^m 45.0^s - 23^o 07' 13''$ (B1950) $12^h 34^m 22.9^s - 23^o 23' 45''$ (J2000) ℓ : 297.87 b: 39.31 DATE: 1980/ 9 - 1980/ 9 LIVETIME: 553.4s ROLL ANGLE: -115.0° NH: 6.4E+20 REF/ID: FIELD FLAGS:



VIRGO CLUSTER FOLLOW-UP: NGC 4535

FIELD CENTER: $12^h 31^m 48.0^s$ $08^o 27' 59''$ (B1950) $12^h 34^m 20.3^s$ $08^o 11' 28''$ (J2000) ℓ : 290.08 b: 70.63 DATE: 1980/177 - 1980/178 LIVETIME: 9673.0s ROLL ANGLE: 59.8° NH: 1.6E+20 REF/ID: FIELD FLAGS: L

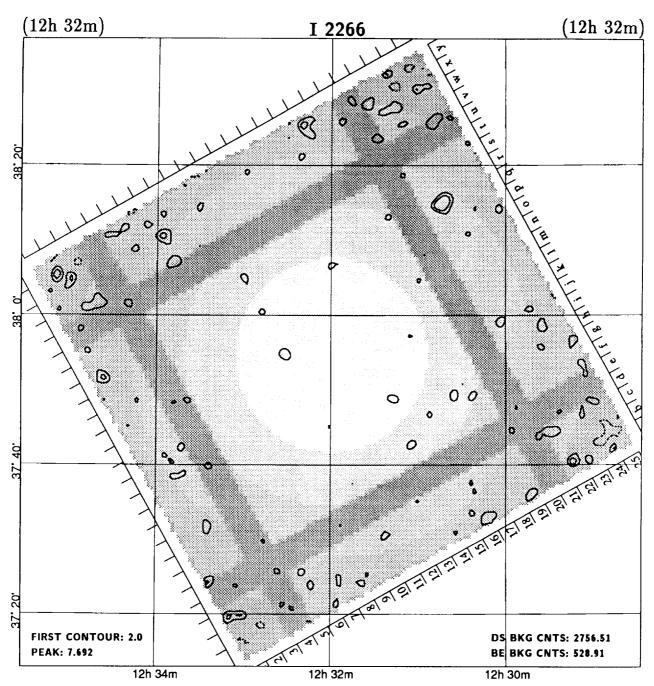
CAT #	FLD #	RA (1950)	DEC (1950)	± "	COUNT RATE	±	NET CTS	BKG CTS	S/N	SIZE COR	RECO	R'	SRC FLG	ID
2772	1L	12 31 24.3	08 04 52	50	0.0137	0.0026	57.7	29.3	5.0	2.8	0	24.0	A	
2775	2L	12 31 55.7	08 46 02	50	0.0122	0.0021	65.5	25.5	5.7	0.9	100	18.2		
2780	3L	12 32 34.7	08 41 26	48	*0.0218	0.0029	117.7	47.3	7.5	1.5	401	17.9		



CAREFULLY SELECTED Shc GALAXIES: NGC 4536

FIELD CENTER: $12^h 31^m 54.0^s 02^o 27' 41''$ (B1950) $12^h 34^m 27.3^s 02^o 11' 10''$ (J2000) ℓ : 292.95 b: 64.73 DATE: 1980/196 - 1980/196 LIVETIME: 3688.3s ROLL ANGLE: 68.2° NH: 1.9E+20 REF/ID: FIELD FLAGS:

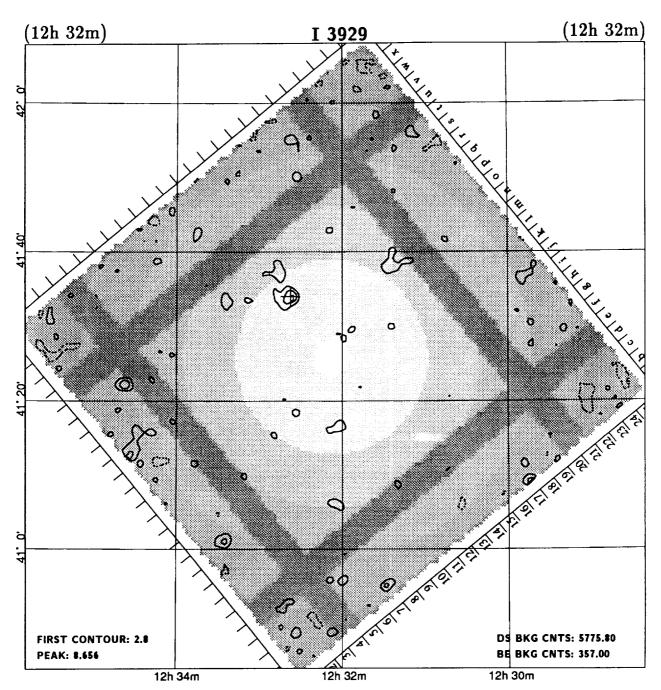
	CAT #	FLD #	RA (1950)	DEC (1950)	± "	COUNT RATE	±	NET CTS	BKG CTS	S/N	SIZE	RECO	R'	SRC FLG	ID
1	2785	1	12 33 01.9	02 11 04	56	0.0138	0.0036	21.6	9.4	3.9	1.8	100	23.6	Н	



STELLAR SURVEY-CATACLYSMIC VARIABLES: AM CVN

FIELD CENTER: 12^h 32^m 00.0^s 37°54'59" (B1950) DATE: 1979/347 - 1979/347 12h34m26.2s 37°38'28" (J2000) LIVETIME: 2233.7s ℓ: 140.67 b: 78.90 ROLL ANGLE: -119.3°

NH: 1.3E+20 REF/ID: FIELD FLAGS:



CLASSICAL DOUBLES IN RICH CLUSTERS

FIELD CENTER: 12^h32^m05.0^s 41°26'04" (B1950) 12^h34^m30.2^s 41°09'33" (J2000)

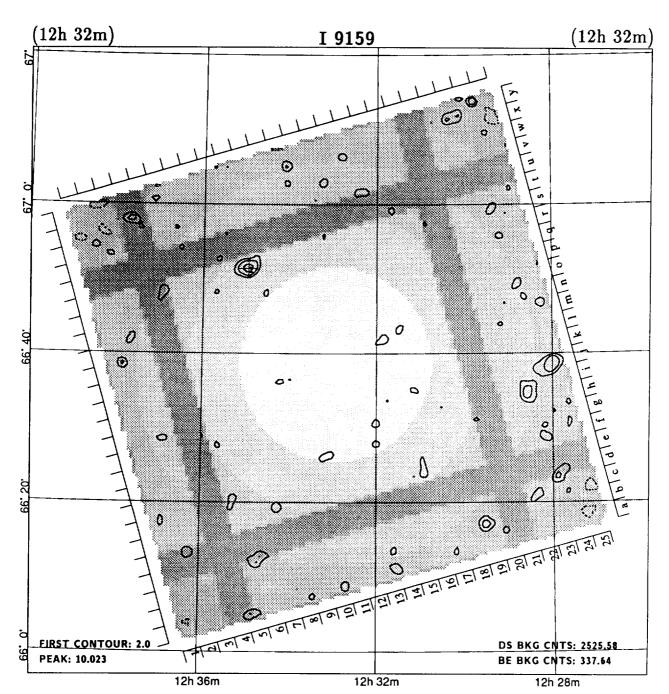
ℓ: 135.80 b: 75.54

DATE: 1979/342 - 1979/342 LIVETIME: 4680.4s

ROLL ANGLE: -129.2°

NH: 1.7E+20 REF/ID: ! FIELD FLAGS:

CA #	T F	FLD #	RA (1950)	DEC (1950)	± "	COUNT RATE	±	NET CTS	BKG CTS	S/N	SIZE COR	RECO	R'	SRC ID	7
278	31	1	12 32 37.5	41 34 04	42	0.0092	0.0021	28.7	15.3	4.3	0.9	0	9.7		

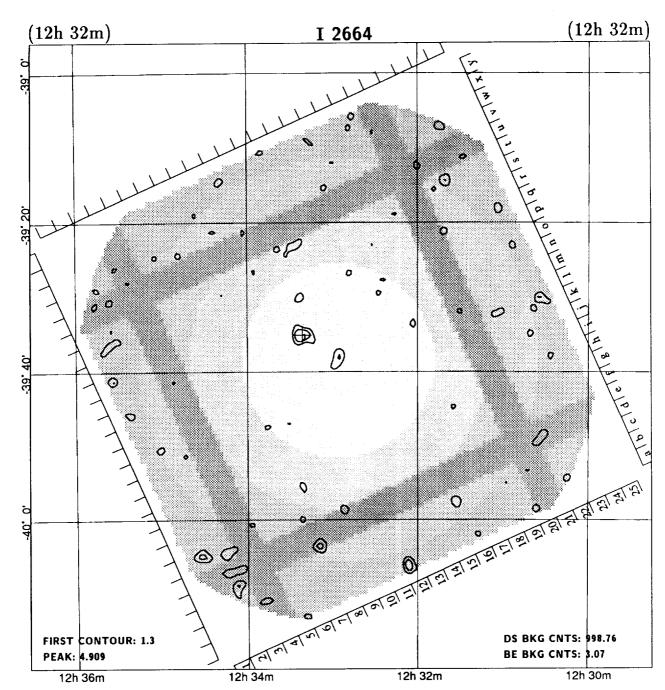


S-TYPE MARKARIAN GALAXIES: MK 217

FIELD CENTER: $12^h 32^m 51.4^s$ $66^\circ 39'06''$ (B1950) $12^h 35^m 02.4^s$ $66^\circ 22'35''$ (J2000) ℓ : 125.52 b: 50.67

DATE: 1980/358 - 1980/358 LIVETIME: 2046.6s ROLL ANGLE: -105.7° NH: 1.9E+20 REF/ID: FIELD FLAGS:

CAT	FLD	RA	DEC	±	COUNT	±	NET	BKG	S/N	SIZE	RECO	R'	SRC	ID
#	#	(1950)	(1950)	"	RATE		CTS	CTS		COR			FLG	
2800	1	12 34 57.7	66 51 24	51	0.0232	0.0050	26.1	5.9	4.6	0.9	300	17.5	н	



SEYFERT GALAXY SURVEY: NGC4507

FIELD CENTER: 12^h 32^m 54.0^s -39° 37′ 59" (B1950) 12^h 35^m 36.0^s -39° 54′ 31″ (J2000)

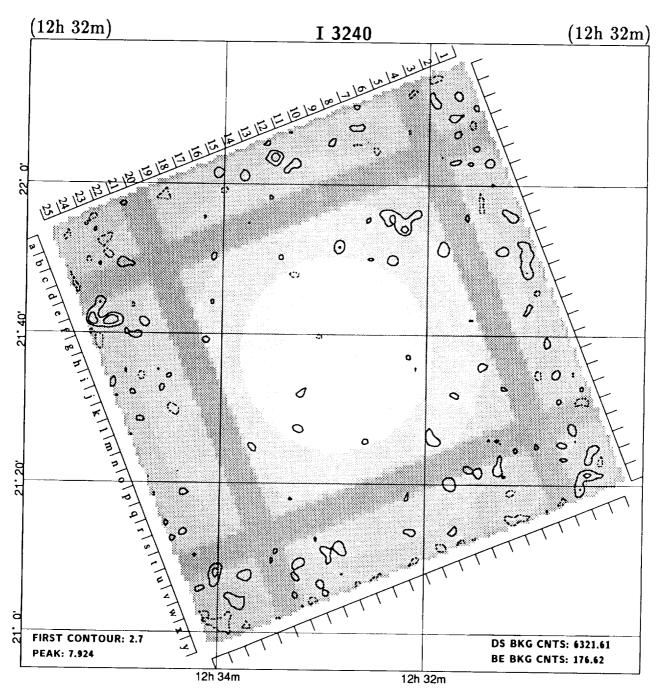
ℓ: 299.64 b: 22.86

DATE: 1980/ 9 - 1980/ 9 LIVETIME: 809.3s

ROLL ANGLE: -114.2°

NH: 7.1E+20 REF/ID: ! FIELD FLAGS:

ſ	CAT #	FLD #	RA (1950)	DEC (1950)	± "	COUNT RATE	±	NET CTS	BKG CTS	S/N	SIZE COR	RECO	R'	SRC FLG	ID
r	2788	1	12 33 21.3	-39 35 09	45	0.0300	0.0078	17.1	2.9	3.8	0.8	0	6.1	Н	



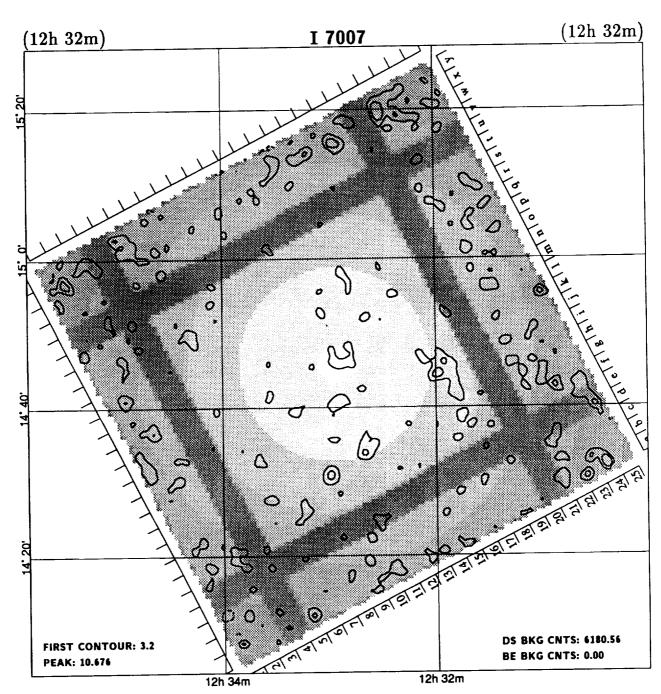
3C274.1: DISTANT CLUSTERS ASSOCIATED WITH QSO'S

FIELD CENTER: 12h32m54.0 21°37'01" (B1950) 12h 35m 23.8s 21°20'30" (J2000)

ℓ: 269.79 b: 83.16

DATE: 1979/180 - 1979/180 LIVETIME: 5122.6s ROLL ANGLE: 68.0°

NH: 2.0E+20 REF/ID: FIELD FLAGS:



NGC 4548, VIRGO CLUSTER GALAXY SURVEY

FIELD CENTER: 12^h 32^m 55.2^s 14°46′23″ (B1950) 12^h 35^m 26.3^s 14°29′52″ (J2000)

l: 285.69 b: 76.83

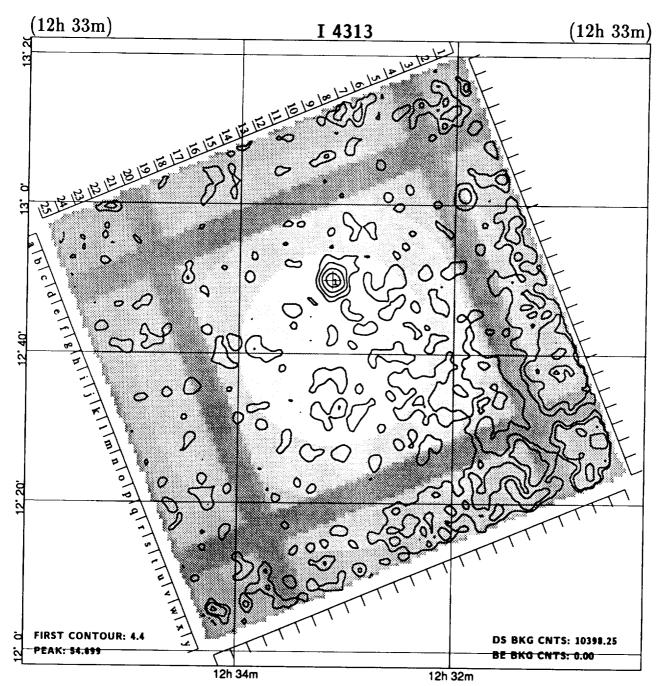
DATE: 1979/348 - 1979/348 LIVETIME: 5008.36

ROLL ANGLE: -117.2°

REF/ID: FIELD FLAGS: L

NH: 2.4E+20

5 - 132



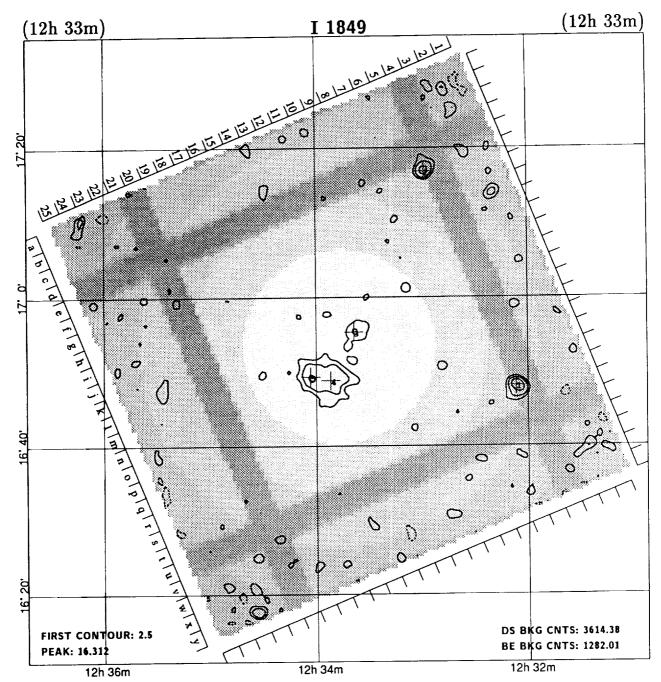
VIRGO CLUSTER FOLLOW-UP: NGC 4552 4551 4550

FIELD CENTER: $12^h 33^m 06.0^s$ $12^o 39' 59''$ (B1950) $12^h 35^m 37.5^s$ $12^o 23' 29''$ (J2000) ℓ : 288.05 b: 74.80

DATE: 1979/182 - 1979/182 LIVETIME: 8426.06 ROLL ANGLE: 67.6°

NH: 2.5E+20 REF/ID: FIELD FLAGS: L

CAT	FLD	RA	DEC	±	COUNT	±	NET	BKG	S/N	SIZE	RECO	R'	SRC	ID
#	#	(1950)	(1950)	_"_	RATE		CTS	CTS	·	COR			FLG	
2786	1L	12 33 08.0	12 49 47	38	0.0328	0.0032	186.7	60.3	10.0	1.4	0	9.8		G



A1569: X-RAY STUDY OF CLUSTERS OF GALAXIES

FIELD CENTER: 12h33m48.0 16°52'59" (B1950) 12h 36m 18.7s 16° 36'29" (J2000)

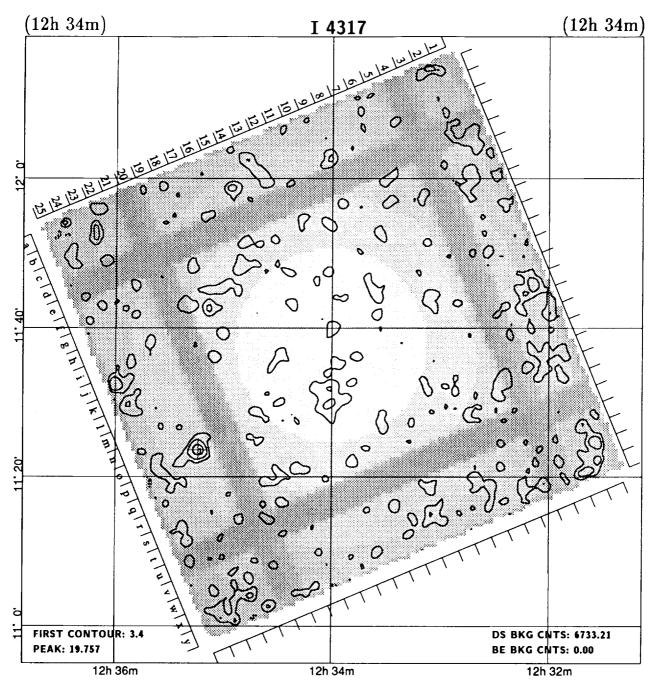
ℓ: 283.75 b: 78.91

DATE: 1979/181 - 1979/181 LIVETIME: 2928.8s

REF/ID: ROLL ANGLE: 67.9° FIELD FLAGS:

NH: 2.1E+20

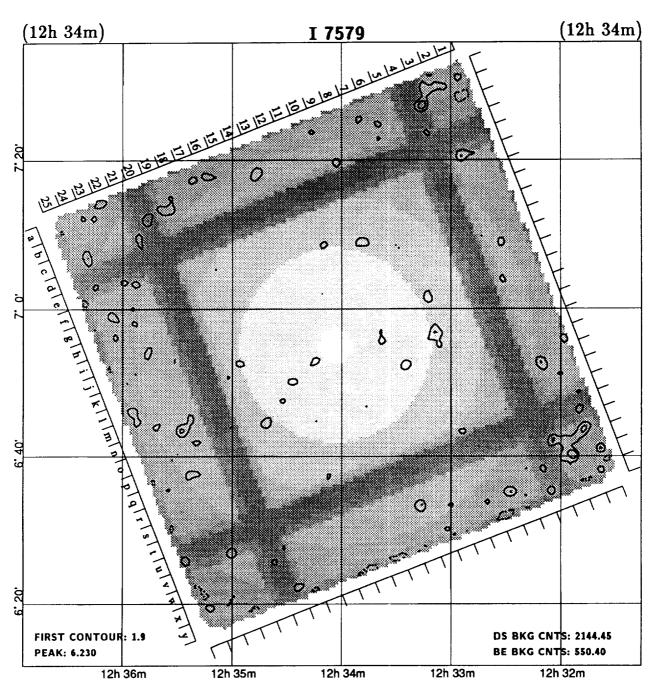
CAT	FLD	RA	DEC	±	COUNT		NET	BKG	S/N	SIZE	RECO	R'	SRC	ID
#	#	(1950)	(1950)	<i>"</i>	RATE		CTS	CTS		COR			FLG	
2777	1	12 32 06.6	16 48 07	51	*0.0244	0.0047	31.3	5.7	5.2	0.9	1008	24.6	Н	
2783	2	12 32 58.2	17 16 47	51	*0.0208	0.0046	25.2	5.8	4.5	0.9	1106	26.4	н	
2791	3	12 33 38.5	16 55 17	37	0.0097	0.0027	20.8	13.2	3.6	1.0	0	3.2	н	
2792	4	12 33 51.8			0.0207	0.0035	43.3	11.7	5.8	3.3	0	4.0	н	
2794	5	12 34 03.3	16 49 21	41	0.0232	0.0037	48.1	11.9	6.2	3.3	0	5.1	Н	CLG



VIRGO CLUSTER FOLLOW-UP: NGC 4568 4567 4564

FIELD CENTER: $12^h 34^m 00.0^s 11^o 36' 59''$ (B1950) $12^h 36^m 31.7^s 11^o 20' 29''$ (J2000) ℓ : 289.70 b: 73.83 DATE: 1979/182 - 1979/182 LIVETIME: 5456.1s ROLL ANGLE: 67.4° NH: 2.4E+20 REF/ID: FIELD FLAGS: L

ſ	CAT	FLD	RA	DEC	±	COUNT	±	NET	BKG	S/N	SIZE	RECO	R'	SRC	ID
	#	#	(1950)	(1950)	"	RATE		стѕ	CTS		COR			FLG	
	2802	1L	12 35 14.3	11 23 36	51	0.0169	0.0035	42.8	14.2	4.6	1.1	200	22.5		



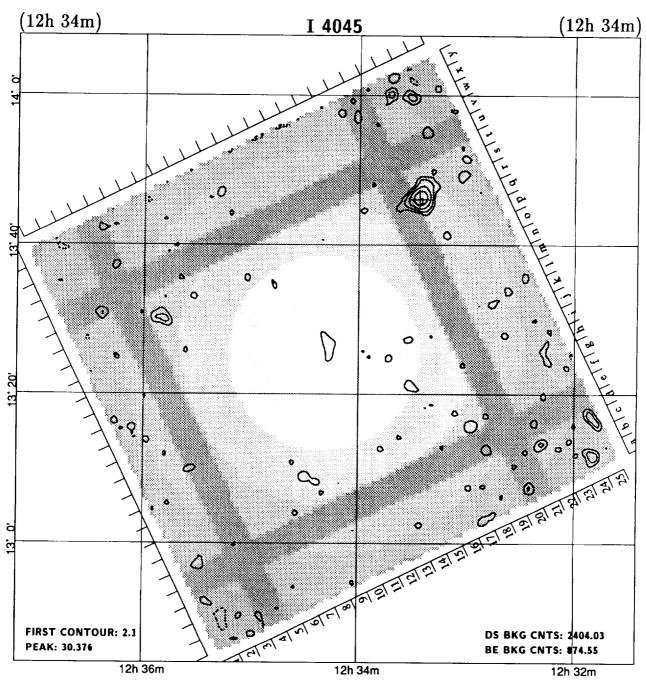
IC 3576,NARROW LINE GALAXIES

FIELD CENTER: 12^h34^m05.0^s 06°53'47" (B1950) 12h36m37.5' 06°37'17" (J2000)

ℓ: 292.53 b: 69.19

DATE: 1980/193 - 1980/193 LIVETIME: 1737.7. ROLL ANGLE: 68.9°

NH: 1.7E+20 REF/ID: FIELD FLAGS:



NGC 4569 NUCLEUS

FIELD CENTER: 12^h34^m18.0^s 13°25'59" (B1950) 12^h36^m49.3^s 13°09'29" (J2000)

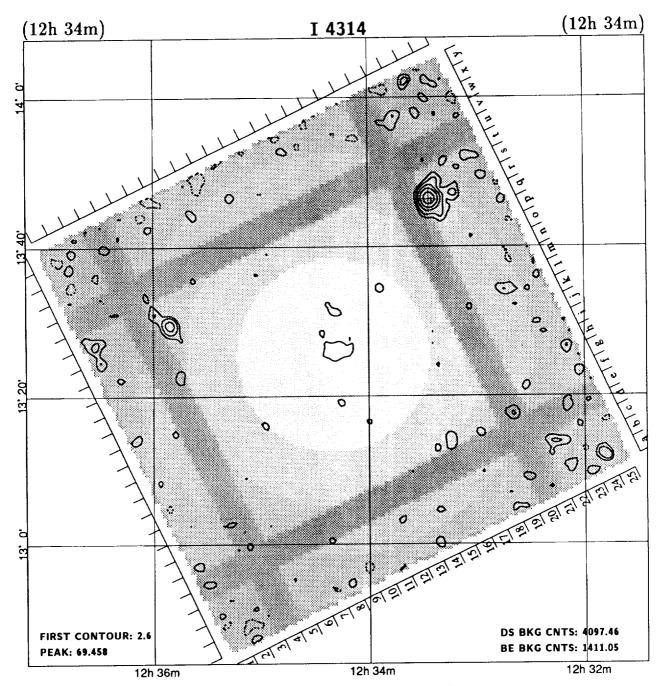
ℓ: 288.46 *b*: 75.62

DATE: 1979/352 - 1979/352 LIVETIME: 1948.1s

ROLL ANGLE: -115.8°

NH: 2.5E+20 REF/ID: FIELD FLAGS: CL

CAT FLD RA COUNT DEC NET BKG S/N SIZE RECO SRC ID (1950)(1950)RATE CTS CTS COR FLG 2789 1L 12 33 26.3 13 46 08 50 *0.092 0.017 78.9 11.1 5.3 1.2 703 23.7 A



VIRGO CLUSTER FOLLOW-UP: NGC 4569

FIELD CENTER: 12^h 34^m 18.0^s 13° 25'59" (B1950)

 $12^{h}36^{m}49.3^{s}$ $13^{\circ}09'29''$ (J2000) ℓ : 288.46 b: 75.62 DATE: 1979/353 - 1979/353 LIVETIME: 3320.3s

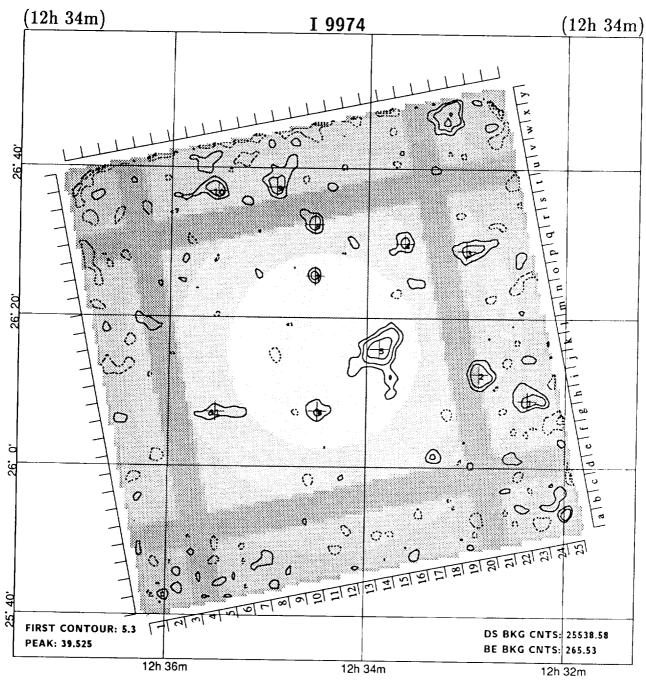
ROLL ANGLE: -115.7°

NH: 2.5E+20

REF/ID:

FIELD FLAGS: CLS

1	CAT	FLD	RA	DEC	±	COUNT	±	NET	BKG	S/N	SIZE	RECO	R'	SRC	ID
	#	#	(1950)	(1950)	"	RATE		CTS	CTS		COR			FLG	
	2789	1L	12 33 26.0	13 46 18	48	*0.114	0.012	164.2	6.8	9.0	1.2	704	23.8	Α	



NGC 4565, POSITION 2 GALAXY HALO

FIELD CENTER: $12^h 34^m 24.0^s$ $26^o 15' 59''$ (B1950) $12^h 36^m 52.7^s$ $25^o 59' 29''$ (J2000) ℓ : 231.36 b: 86.55

DATE: 1981/ 16 - 1981/ 17 LIVETIME: 20694.6s ROLL ANGLE: -101.4°

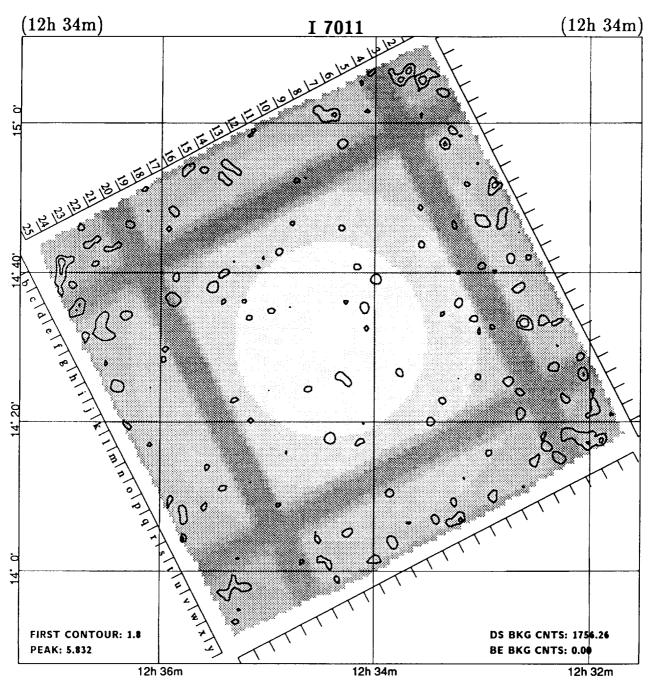
NH: 1.3E+20 REF/ID: FIELD FLAGS:

CAT	FLD	RA	DEC	±	COUNT		NET	BKG	S/N	SIZE	RECO	R'	SRC	ID
#	#	(1950)	(1950)	"	RATE		CTS	CTS	-,	COR	NECO	•	FLG	טו
2778	1	12 32 22.8	26 08 58	72	0.0038	0.0010	29.5	35.5	3.7	1.5	0	27.9	Н	——
2782	2	12 32 52.0	26 12 28	52	*0.00603	0.00098	61.0	37.0	6.2	1.2	805	20.9	Н	
2784	3	12 33 00.2	26 29 00	56	0.00412	0.00095	38.5	40.5	4.3	1.4	500	23.0	l ii	
2790	4	12 33 37.6	26 29 57	52	0.00335	0.00083	37.5	48.5	4.0	0.8	0	17.4	н	
2793	5	12 33 52.5	26 15 47	38	0.0127	0.0011	181.0	60.0	11.7	2.1	0	7.1	н	
2795	6	12 34 29.7	26 07 27	42	0.00341	0.00074	48.5	63.5	4.6	0.9	0	8.5	Н.	
2796	7	12 34 32.0	26 25 34	41	0.00270	0.00074	37.0	65.0	3.7	0.6	0	9.9		
2797	8	12 34 32.5	26 32 25	51	*0.00436	0.00086	50.4	47.6	5.1	0.9	804	16.8	н	
2799	9	12 34 56.0	26 37 24	55	0.00510	0.00098	48.7	39.3	5.2	1.4	100	22.9	н	
2804	10	12 35 31.6	26 36 49	55	0.0046	0.0010	39.6	37.4	4.5	1.0	0	25.8	н	

Source Table cont.

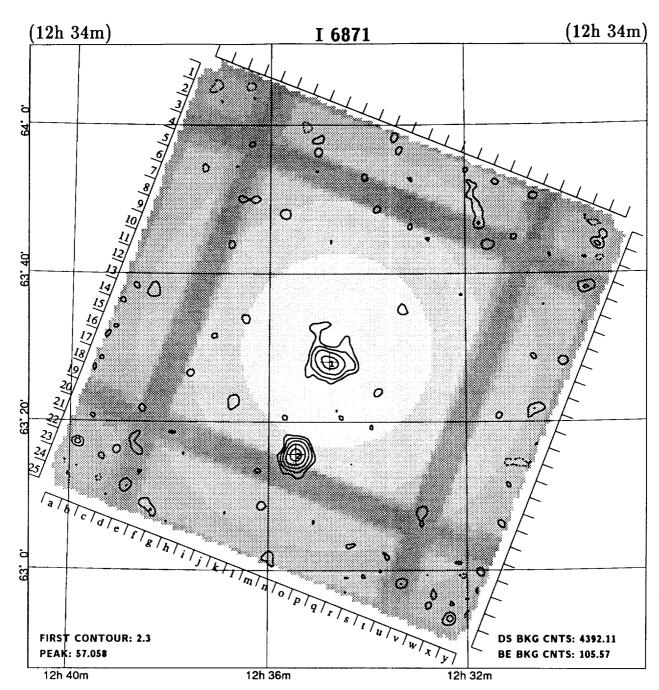
I 9974 cont.

	CAT	FLD	RA (1950)	DEC (1950)	± "	COUNT	±	NET CTS	BKG CTS	S/N	SIZE	RECO	R'	SRC ID FLG	
١	#	#	<u> </u>		55	0.00312	0.00078	36.4	46.6	4.0	1.4	0	17.3	Н	
-1	2805	11	12 35 31.7	26 07 17	99	0.00312	0.000.0								_



NGC 4571, VIRGO CLUSTER GALAXY SURVEY

FIELD CENTER: $12^h 34^m 25.2^s 14^o 29'35''$ (B1950) $12^h 36^m 56.3^s 14^o 13'05''$ (J2000) ℓ : 287.53 b: 76.65 DATE: 1980/176 - 1980/176 LIVETIME: 1423.16 ROLL ANGLE: 62.6° NH: 2.4E+20 REF/ID: FIELD FLAGS: L

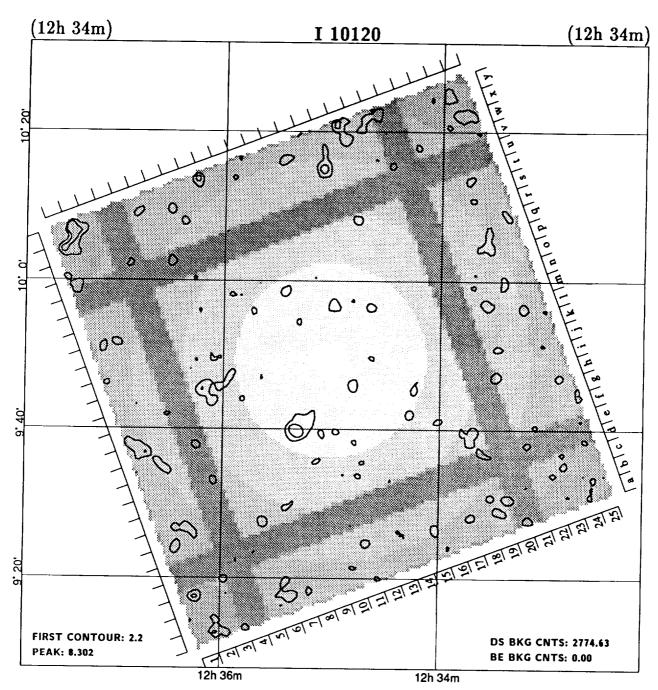


A1576,CLUSTER LUMINOSITIES @ Z=0.25.

FIELD CENTER: $12^h 34^m 36.0^s$ $63^o 28' 59''$ (B1950) $12^h 36^m 49.1^s$ $63^o 12' 29''$ (J2000) ℓ : 125.72 b: 53.84

DATE: 1980/111 - 1980/111 LIVETIME: 3559.16 ROLL ANGLE: 21.2° NH: 1.7E+20 REF/ID: FIELD FLAGS:

CAT	FLD	RA	DEC	±	COUNT	±	NET	BKG	S/N	SIZE	RECO	R'	SRC	ID
#	#	(1950)	(1950)	"	RATE		стѕ	CTS		COR			FLG	
2798	1	12 34 46.5	63 28 10	31	0.0452	0.0044	118.9	12.1	10.4	1.8	0	1.3	Н	*
2803	2	12 35 27.0	63 15 41	38	*0.0873	0.0066	183.6	8.4	13.2	1.2	602	14.6	н	BL



NGC 4578,ACTIVE SO GALAXIES

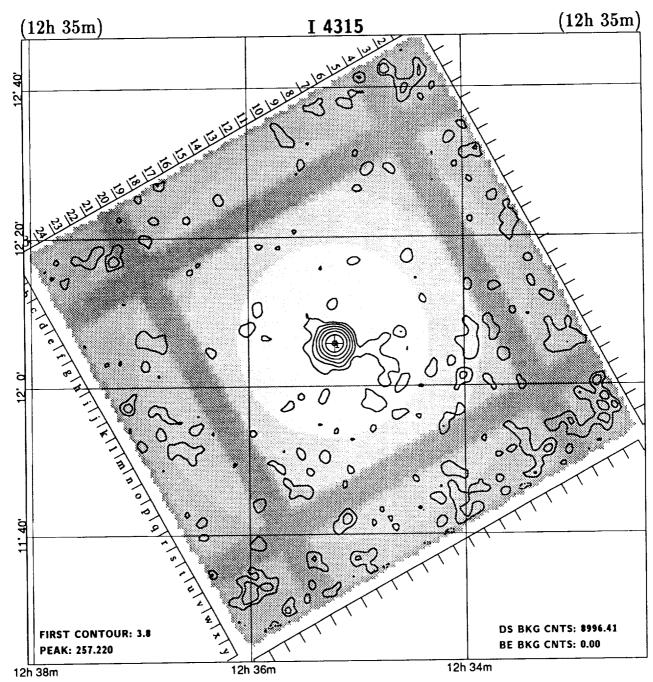
FIELD CENTER: 12^h34^m59.0^s 09°49'47" (B1950) 12^h37^m30.9^s 09°33'18" (J2000)

l: 291.69 b: 72.12

DATE: 1981/ 8 - 1981/ 8 LIVETIME: 2248.4s

ROLL ANGLE: -110.7°

NH: 1.7E+20 REF/ID: FIELD FLAGS: L



VIRGO CLUSTER FOLLOW-UP: NGC 4579

FIELD CENTER: 12h35m12.0 12°04'59" (B1950) 12h37m43.5s 11°48'30" (J2000)

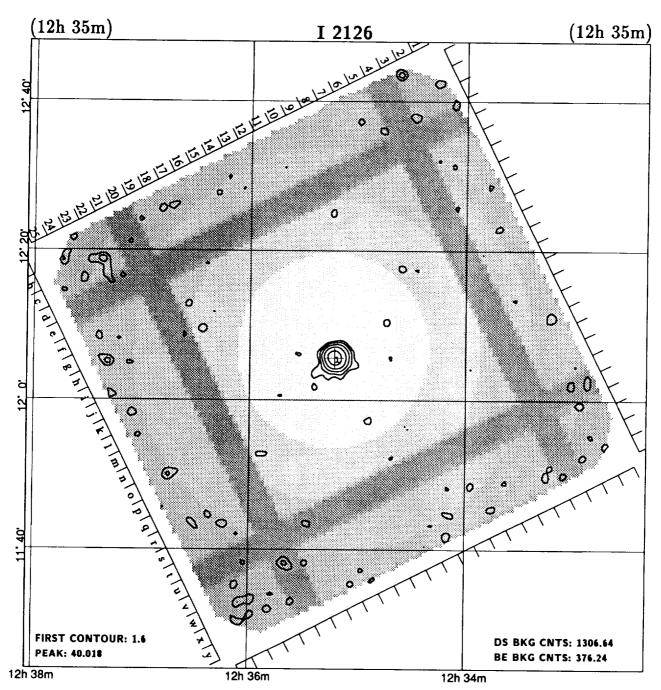
ℓ: 290.40 b: 74.35

DATE: 1979/191 - 1979/192 LIVETIME: 7290.0s

ROLL ANGLE: 61.2°

NH: 2.5E+20 REF/ID: FIELD FLAGS: L

C 43	ELD.	RA	DEC	_	COUNT	+	NET	BKG	S/N	SIZE	RECO	R'	SRC	ID
CAT	FLD	(1950)	(1950)	<i>"</i>	RATE	_	CTS	CTS	,	COR			FLG	
280	# 1 1L	<u> </u>	_, ,	31	0.1885	0.0072	1025.6	147.4	26.2	1.4	0	0.7	Α	G



X-RAY SURVEY OF NORMAL GALAXIES: NGC4579=M58

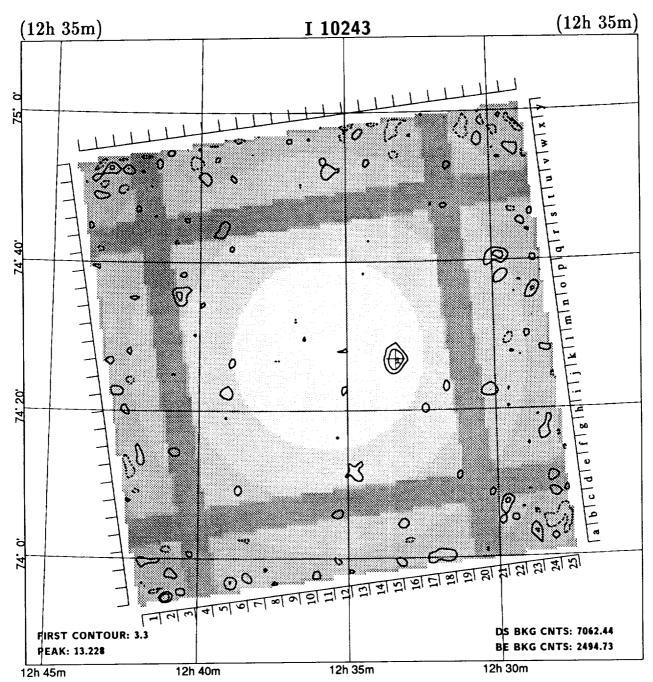
FIELD CENTER: 12h35m12.0s 12005'59" (B1950) 12^h37^m43.5^s 11°49'30" (J2000)

ℓ: 290.39 b: 74.36

DATE: 1979/178 - 1979/178 LIVETIME: 1058.8s ROLL ANGLE: 63.3°

NH: 2.5E+20 REF/ID: FIELD FLAGS: L

CAT #	FLD #	RA (1950)	DEC (1950)	± "	COUNT RATE	±	NET CTS	BKG CTS	S/N	SIZE	RECO	R'	SRC	ID
2801	1L	12 35 12.8	12 05 40	31	0.228	0.020	179.5	12.5	11.4	1.2	0	0.3	A	G



N 4589: E & SO GALAXIES W/ COMPACT NUCLEAR RADIO CORES

FIELD CENTER: 12h35m29.5* 74°28'09" (B1950) 12^h 37^m 25.5^s 74° 11′ 40″ (J2000)

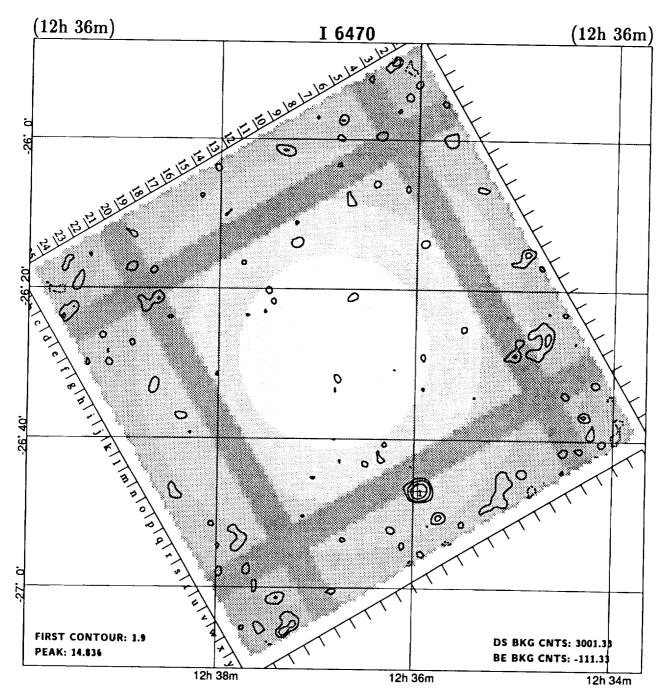
ℓ: 124.23 b: 42.90

DATE: 1980/364 - 1980/364 LIVETIME: 5722.9s

ROLL ANGLE: -97.2°

NH: 2.1E+20 REF/ID: ! FIELD FLAGS:

CAT #	FLD #	RA (1950)	DEC (1950)	± "	COUNT RATE	±	NET CTS	BKG CTS	S/N	SIZE COR	RECO	R'	SRC FLG	ID
2787	1	12 33 21.2	74 26 55	41	0.0123	0.0022	47.6	23.4	5.6	1.0	0	8.7	Н	



NGC 4590,GLOBULAR CLUSTER SURVEY

FIELD CENTER: 12^h36^m48.0^s -26°28'59" (B1950) 12h39m27.3s -26°45'28" (J2000)

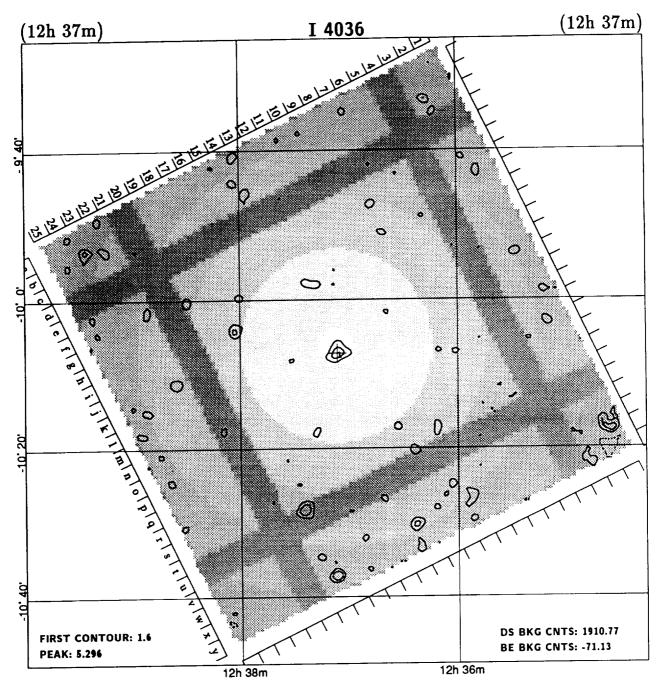
ℓ: 299.62 b: 36.04

DATE: 1980/210 - 1980/210 LIVETIME: 2432.1s

ROLL ANGLE: 59.4°

NH: 7.0E+20 REF/ID: FIELD FLAGS:

CAT #	FLD #	RA (1950)	DEC (1950)	± "	COUNT	±		BKG	S/N		RECO	R'	SRC	ID
2807	*	- `- 			RATE		CTS	CTS	-	COR			FLG]
2007		12 35 57.4	-26 47 00	50	•0.0325	0.0056	37.9	4.1	5.8	1.0	703	21.3	H	



QUASAR 1237-101 (ON-162)

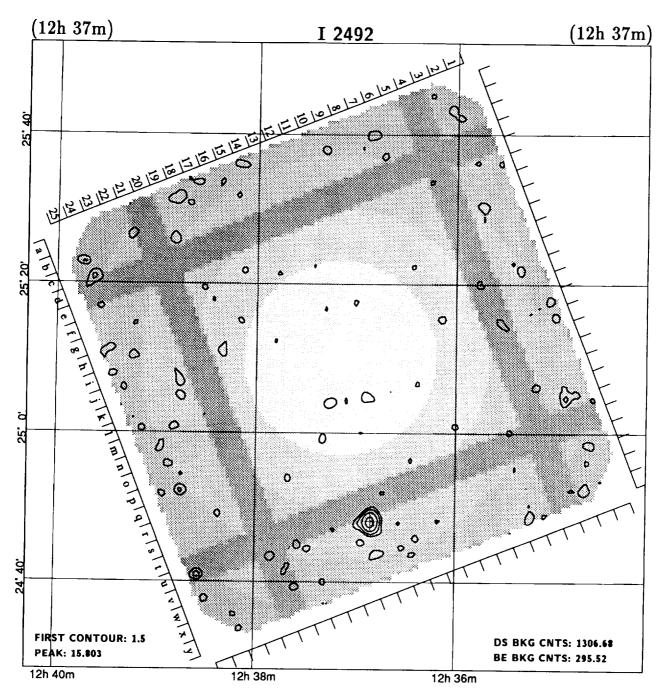
FIELD CENTER: 12^h37^m07.2' -10°07'00" (B1950) 12^h39^m43.0^s -10°23'29" (J2000)

ℓ: 298.21 b: 52.37

ROLL ANGLE: 64.1°

NH: 3.2E+20 DATE: 1979/178 - 1979/178 REF/ID: LIVETIME: 1548.4s FIELD FLAGS:

Γ	CAT	FLD #	RA (1950)	DEC (1950)	± "	COUNT RATE	±	NET CTS	BKG CTS	S/N	SIZE COR	RECO	R'	SRC FLG	ID
\vdash	# 2813	1	12 37 06.5	-10 07 08	37	0.0160	0.0042	18.5	4.5	3.9	0.8	0	0.4	Н	Q



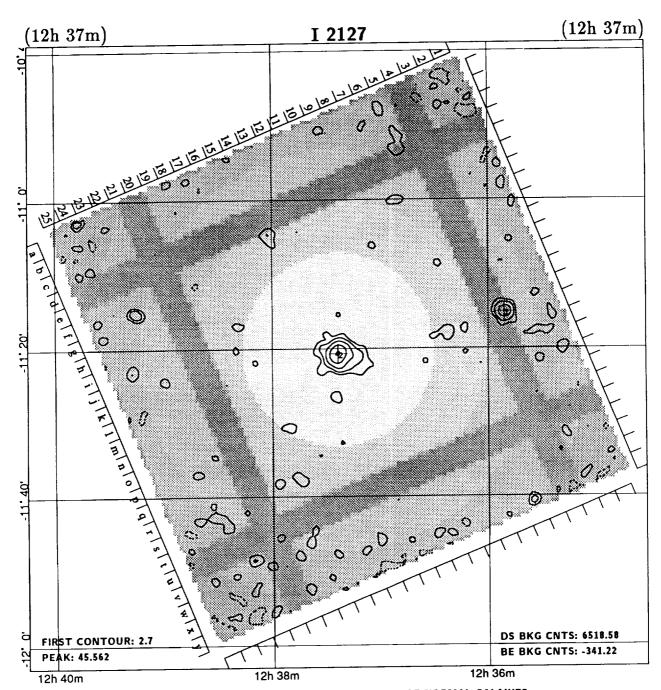
1237+25K: SURVEY OF NEARBY RADIO PULSARS

FIELD CENTER: $12^h 37^m 12.0^s 25^o 10' 16''$ (B1950) $12^h 39^m 40.5^s 24^o 53' 48''$ (J2000) ℓ : 252.45 b: 86.54

DATE: 1979/181 - 1979/181 LIVETIME: 1058.86 ROLL ANGLE: 68.4°

NH: 1.2E+20 REF/ID: FIELD FLAGS:

CAT	FLD	RA	DEC	±	COUNT	±	NET	BKG	S/N	SIZE	RECO	R'	SRC	ID
#	#	(1950)	(1950)	"	RATE		CTS	CTS		COR			FLG	
2810	1	12 36 50.6	24 48 12	50	*0.072	0.012	36.1	1.9	5.9	1.0	804	22.2	Н	



NGC4594=M104,SOMBRERO: X-RAY SURVEY OF NORMAL GALAXIES

FIELD CENTER: 12h37m24.0s -11°20'59" (B1950) 12^h40^m00.0^s -11°37′27" (J2000)

ℓ: 298.46 b: 51.15

DATE: 1979/178 - 1979/178 LIVETIME: 5282.2s

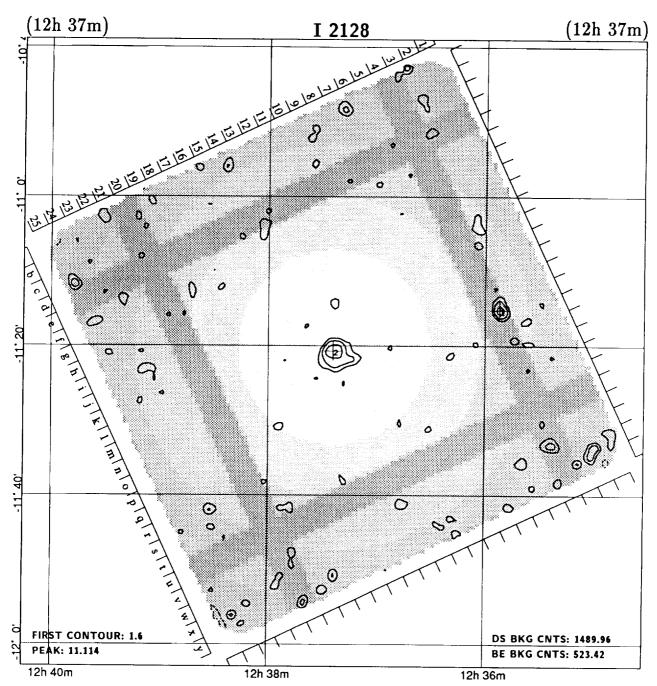
ROLL ANGLE: 67.6°

REF/ID:

FIELD FLAGS: C

NH: 3.8E+20

	CAT	FLD	RA (1950)	DEC (1950)	± "	COUNT	±	NET CTS	BKG CTS	S/N	SIZE	RECO	R'	SRC FLG	1D
ŀ	#	#	12 35 51.1		51	*0.0170	0.0029	41.5	8.5	5.9	1.0	1108	23.3	Α	S
١	2806 2814	2	12 35 51.1			0.0484	0.0036	190.3	14.7	13.3	1.6	0	0.4	AH	G

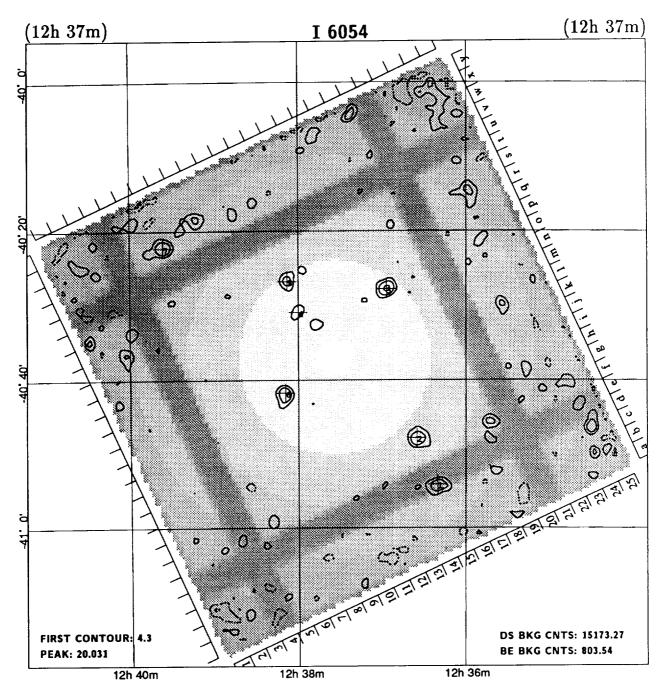


NGC4594=M104,SOMBRERO: X-RAY SURVEY OF NORMAL GALAXIES

FIELD CENTER: $12^h37^m24.0^s$ - $11^o20'59''$ (B1950) $12^h40^m00.0^s$ - $11^o37'27''$ (J2000) ℓ : 298.46 b: 51.15

DATE: 1980/202 - 1980/202 LIVETIME: 1207.4s ROLL ANGLE: 64.8° NH: 3.8E+20 REF/ID: FIELD FLAGS: C

CAT	FLD	RA	DEC	±	COUNT	±	NET	BKG	S/N	SIZE	RECO	R'	SRC	ID
#	#	(1950)	(1950)	"	RATE		CTS	CTS	·	COR			FLG	
2806	1	12 35 52.2	-11 15 09	54	*0.0259	0.0074	14.5	2.5	3.5	0.8	1309	23.2	A	S
2814	2	12 37 24.0	-11 20 42	35	0.0521	0.0080	46.9	5.1	6.5	1.4	0	0.2	AH	G



CENTAURUS, DETAILED STUDY OF CLUSTER EXTENTS

FIELD CENTER: 12h37m32.0s -40°36'33" (B1950) 12^h40^m15.5^s -40°53'01" (J2000)

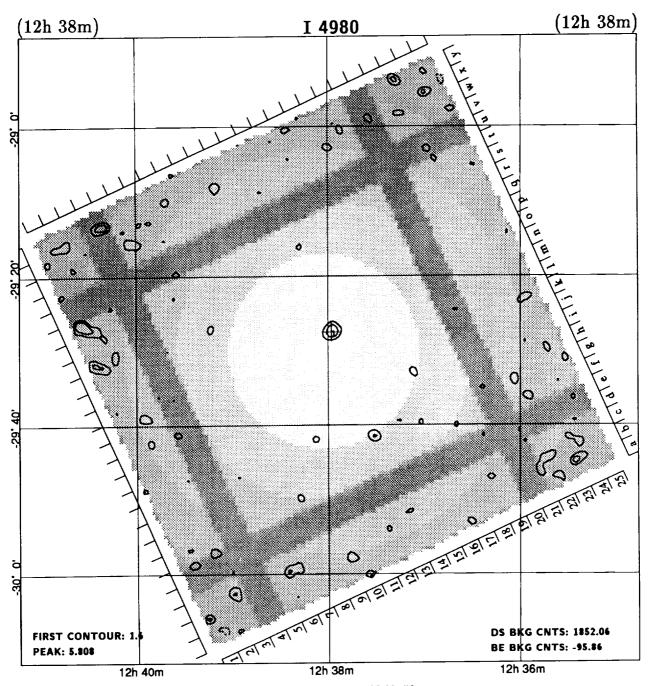
ℓ: 300.65 b: 21.94

DATE: 1980/ 11 - 1980/ 12 LIVETIME: 12295.4s

ROLL ANGLE: -114.9°

NH: 7.7E+20 REF/ID: CLG FIELD FLAGS:

CAT	FLD	RA	DEC	±	COUNT	±	NET	BKG	S/N	SIZE	RECO	R'	SRC	ID
#	#	(1950)	(1950)	"	RATE		CTS	CT\$		COR			FLG	
2808	1	12 36 20.2	-40 54 10	55	*0.0062	0.0013	36.5	18.5	4.9	0.8	1309	22.1	н	1
2809	2	12 36 35.1	-40 47 51	51	0.0062	0.0012	44.6	33.4	5.0	0.8	0	15.3	н	
2811	3	12 36 56.8	-40 27 49	41	0.0073	0.0012	57.9	31.1	6.1	0.8	0	10.9	н	
2816	4	12 38 00.0	-40 30 58	47	0.00349	0.00098	29.5	39.5	3.6	0.5	0	7.9	н	
2817	5	12 38 07.9	-40 26 48	42	0.0045	0.0010	35.3	30.7	4.3	0.6	0	11.9	Н	
2818	6	12 38 09.4	-40 41 46	41	0.0057	0.0011	47.7	39.3	5.1	0.8	0	8.8		
2827	7	12 39 36.4	-40 22 15	55	0.0066	0.0015	31.5	21.5	4.3	0.9	200	27.6	AH	

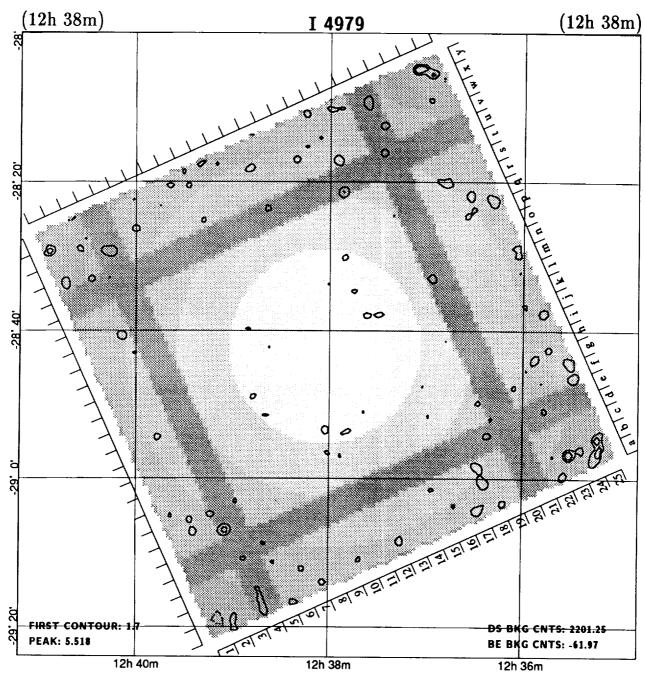


SOFT SOURCE AT 1238-29 #2

FIELD CENTER: $12^h 38^m 00.0^s$ $-29^\circ 29' 59''$ (B1950) $12^h 40^m 40.2^s$ $-29^\circ 46' 27''$ (J2000) ℓ : 300.14 b: 33.04

DATE: 1980/ 9 - 1980/ 9 LIVETIME: 1500.8e ROLL ANGLE: -114.4° NH: 5.9E+20 REF/ID: FIELD FLAGS:

CAT	FLD	RA	DEC	±	COUNT	±	NET	BKG	S/N	SIZE	RECO	R'	SRC	ID
#	#	(1950)	(1950)	"	RATE		CTS	CTS		COR			FLG	
2815	1	12 37 57.9	-29 27 35	37	0.0172	0.0044	19.0	4.0	4.0	0.7	0	2.6		



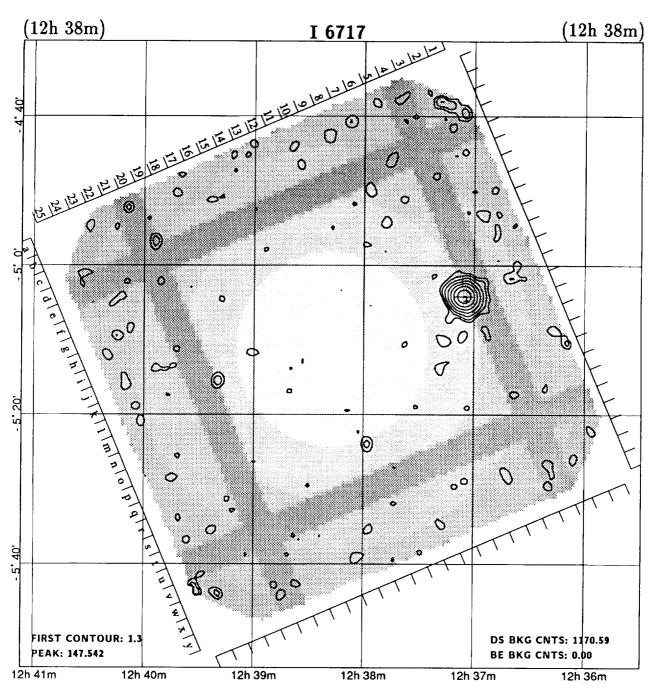
SOFT SOURCE AT 1238-29 #1

FIELD CENTER: 12^h 38^m 00.0^s -28°41′59" (B1950) 12^h 40^m 40.0^s -28°58′27" (J2000)

ℓ: 300.10 b: 33.84

DATE: 1980/ 9 - 1980/ 9 LIVETIME: 1783.7₆ ROLL ANGLE: -114.4°

NH: 6.0E+20 REF/ID: FIELD FLAGS:



SEYFERT SURVEY: NGC 4593 (4U1240-05)

FIELD CENTER: 12h38m18.0' -05°11'59" (B1950) 12^h40^m52.8^s -05°28'27" (J2000)

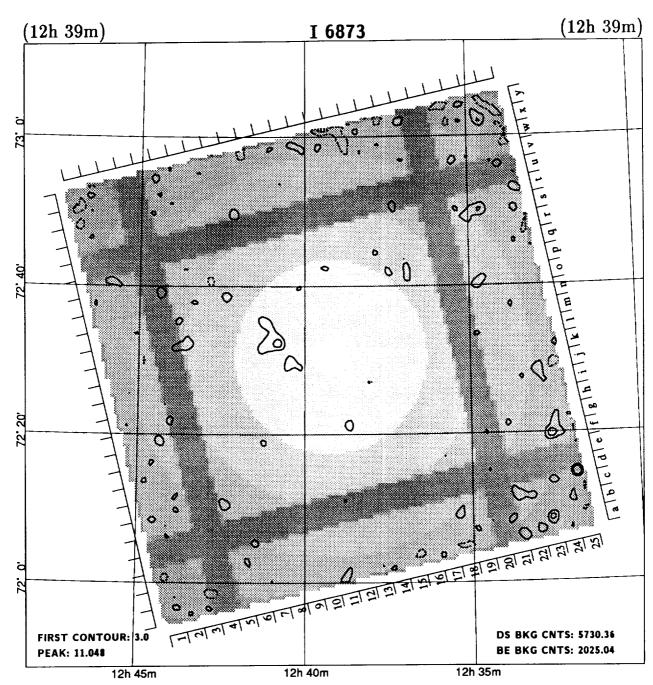
ℓ: 298.06 b: 57.30

DATE: 1980/171 - 1980/171 LIVETIME: 948.6s

ROLL ANGLE: 67.0°

NH: 2.1E+20 REF/ID: FIELD FLAGS: L

CAT	FLD	RA	DEC	±	COUNT	±	NET	BKG	S/N	SIZE	RECO	R'	SRC	ID :
#	#	(1950)	(1950)	"	RATE		CTS	CTS		COR			FLG	
2812	1L	12 37 05.6	-05 04 10	47	*0.646	0.063	321.2	32.1	10.1	1.2	805	19.7		



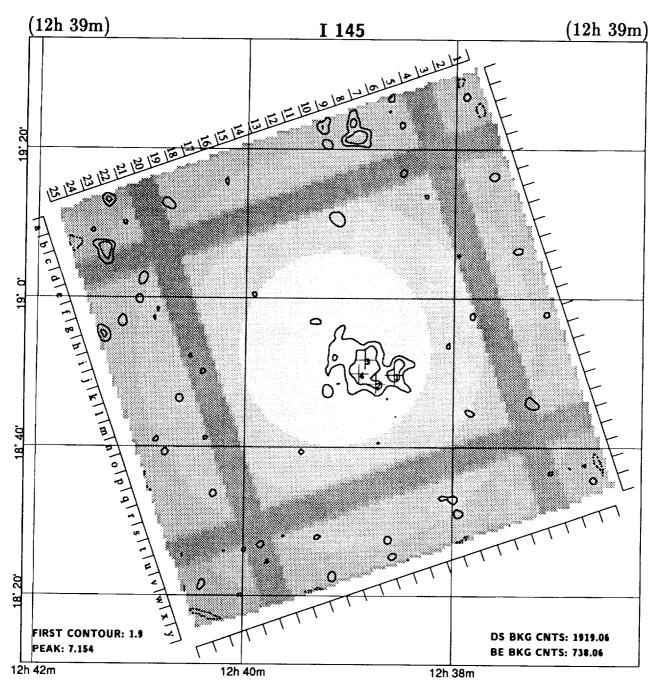
A1597,CLUSTER LUMINOSITIES @ Z=0.25.

FIELD CENTER: 12h 39m 06.0s 72° 30' 59" (B1950) 12^h41^m03.1^s 72°14'32" (J2000)

ℓ: 124.05 b: 44.86

DATE: 1980/360 - 1980/360 LIVETIME: 4643.5s ROLL ANGLE: -102.9°

NH: 1.6E+20 REF/ID: CLG FIELD FLAGS: L

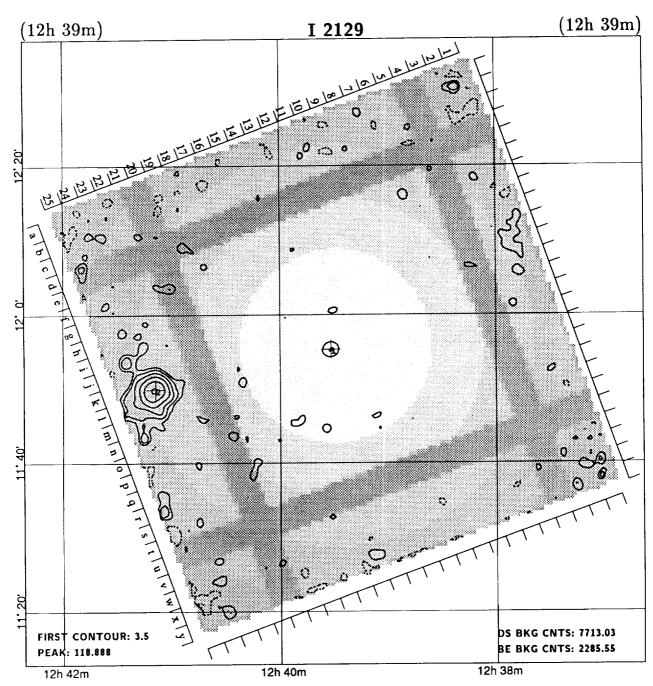


A1589 CLUSTER SURFACE BRIGHTNESS

FIELD CENTER: $12^h 39^m 09.6^s$ $18^o 52' 47''$ (B1950) $12^h 41^m 39.4^s$ $18^o 36' 21''$ (J2000) ℓ : 287.63 b: 81.19

DATE: 1979/181 - 1979/181 LIVETIME: 1555.16 ROLL ANGLE: 71.0° NH: 1.9E+20 REF/ID: ! FIELD FLAGS:

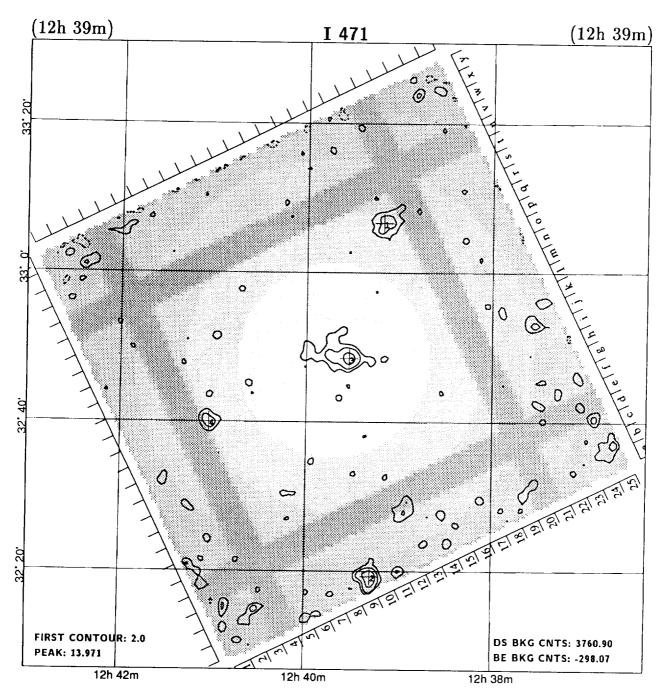
CAT	FLD	RA	DEC	±	COUNT	±	NET	BKG	S/N	SIZE	RECO	R'	SRC	ID
#	#	(1950)	(1950)	"	RATE		CTS	CTS		COR			FLG	
2819	1	12 38 34.1	18 49 45	43	0.0189	0.0048	20.0	6.0	3.9	7.1	0	8.7	Н	
2820	2	12 38 44.6	18 48 34	43	0.0175	0.0047	18.9	7.1	3.7	7.5	0	7.1		
2821	3	12 38 50.9	18 51 46	36	0.0304	0.0057	34.0	7.0	5.3	5.2	0	4.7	н	
2822	4	12 38 54.4	18 49 54	37	0.0242	0.0052	27.0	7.0	4.6	5.7	0	4.2		İ



X-RAY SURVEY OF NORMAL GALAXIES: NGC4621=M59

FIELD CENTER: $12^h 39^m 30.0^s 11^o 54' 59''$ (B1950) $12^h 42^m 01.3^s 11^o 38' 33''$ (J2000) ℓ : 294.35 b: 74.36 DATE: 1980/193 - 1980/193 LIVETIME: 6250.1s ROLL ANGLE: 70.0° NH: 2.5E+20 REF/ID: FIELD FLAGS:

CAT #	FLD #	RA (1950)	DEC (1950)	± "	COUNT RATE	±	NET CTS	BKG CTS	S/N	SIZE COR	RECO	R'	SRC FLG	ID
2825	1	12 39 31.6	11 55 23	36	0.0060	0.0016	28.0	27.0	3.8	0.6	0	8.0		G
2835	2	12 41 09.2	11 49 56	47	0.1145	0.0067	304.7	17.3	17.0	1.9	0	24.9	AH	G

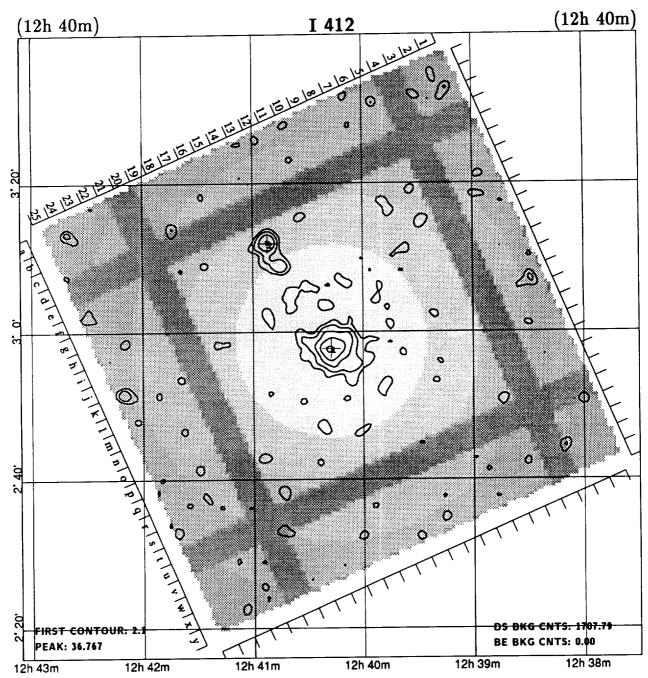


NGC 4631 ABNORMAL GALAXIES SURVEY

FIELD CENTER: $12^h 39^m 40.8^s$ $32^o 48'47''$ (B1950) $12^h 42^m 06.9^s$ $32^o 32'21''$ (J2000) ℓ : 142.85 b: 84.22

DATE: 1978/354 - 1978/354 LIVETIME: 3047.6s ROLL ANGLE: -116.1° NH: 1.3E+20 REF/ID: FIELD FLAGS:

CAT	FLD	RA	DEC	±	COUNT	±	NET	BKG	S/N	SIZE	RECO	R'	SRC	ID
##	#	(1950)	(1950)	"	RATE		CTS	CTS	•	COR			FLG	
2823	1	12 39 10.6	33 06 40	55	0.0117	0.0032	18.5	6.5	3.7	1.4	0	19.0	Н	·
2824	2	12 39 17.6	32 19 18	51	0.0217	0.0049	23.9	5.1	4.4	1.1	200	29.8	н	
2826	3	12 39 32.3	32 48 30	35	0.0232	0.0035	52.1	8.9	6.7	1.9	0	1.5	н	G
2834	4	12 41 02.7	32 39 59	55	*0.0113	0.0030	18.3	4.7	3.8	0.8	702	19.3	н	J



NGC 4636 ABNORMAL GALAXIES SURVEY

FIELD CENTER: 12^h40^m18.0^s 02°57′59" (B1950) 12^h42^m51.1^s 02°41'34" (J2000)

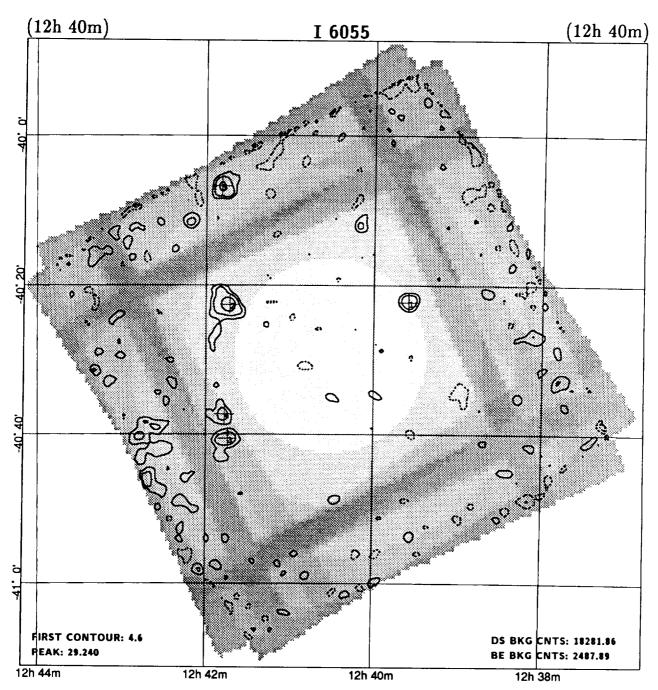
l: 297.76 b: 65.48

DATE: 1979/179 - 1979/179 LIVETIME: 1383.9s

ROLL ANGLE: 66.5°

NH: 1.9E+20 REF/ID: FIELD FLAGS: L

CAT #	FLD #	RA (1950)	DEC (1950)	± "	COUNT RATE	±	NET CTS	BKG CTS	S/N	SIZE COR	RECO	R'	SRC ID FLG
2829	1L	12 40 17.4	02 57 44	31	0.101	0.015	103.9	63.1	6.6	2.4	0	0.3	G
2833	2L	12 40 51.9	03 11 54	50	0.059	0.011	47.1	8.9	5.3	1.5	0	16.2	S

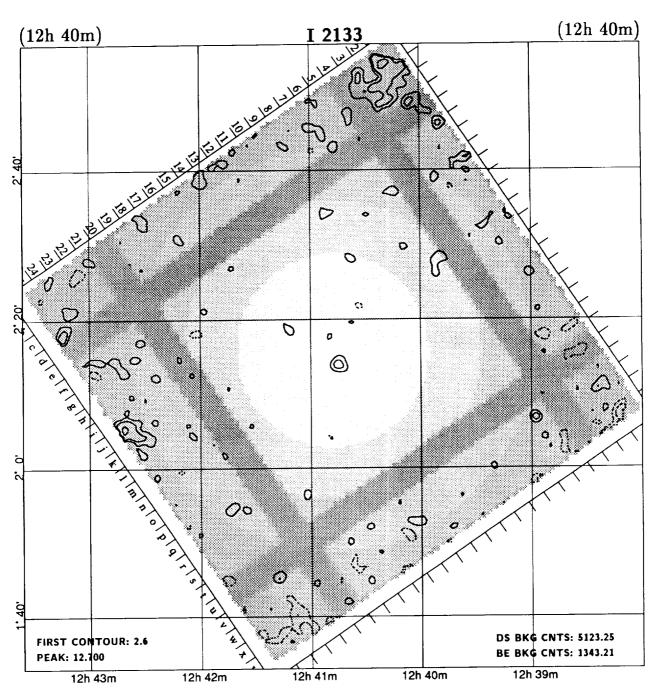


CENTAURUS, DETAILED STUDY OF CLUSTER EXTENTS

FIELD CENTER: $12^{h}40^{m}29.0^{s}$ $-40^{o}29'19''$ (B1950) $12^{h}43^{m}13.1^{s}$ $-40^{o}45'45''$ (J2000) ℓ : 301.25 δ : 22.08

DATE: 1980/ 12 - 1980/211 LIVETIME: 14814.4s NH: 7.7E+20 REF/ID: CLG FIELD FLAGS:

CAT	FLD	RA	DEC	±	COUNT	±	NET	BKG	S/N	SIZE	RECO	R'	SRC	ID
#	#	(1950)	(1950)	"	RATE		стѕ	CTS	•	COR			FLG	
2827	1	12 39 35.2	-40 22 16	41	0.0064	0.0011	59.7	44.3	5.9	0.8	0	12.2	AH	-
2842	2	12 41 43.0	-40 22 37	49	0.0109	0.0013	94.1	39.9	8.1	1.4	0	15.6	Н	
2843	3	12 41 44.2	-40 40 35	51	*0.0065	0.0011	52.6	29.4	5.8	1.2	1309	17.8		
2844	4	12 41 46.7	-40 37 16	51	*0.0048	0.0010	40.8	35.2	4.7	1.0	1007	17.0		
2845	5	12 41 48.9	-40 06 43	51	0.0077	0.0015	45.2	35.8	5.0	1.3	0	27.5	н	



X-RAY SURVEY OF NORMAL GALAXIES: NGC4643

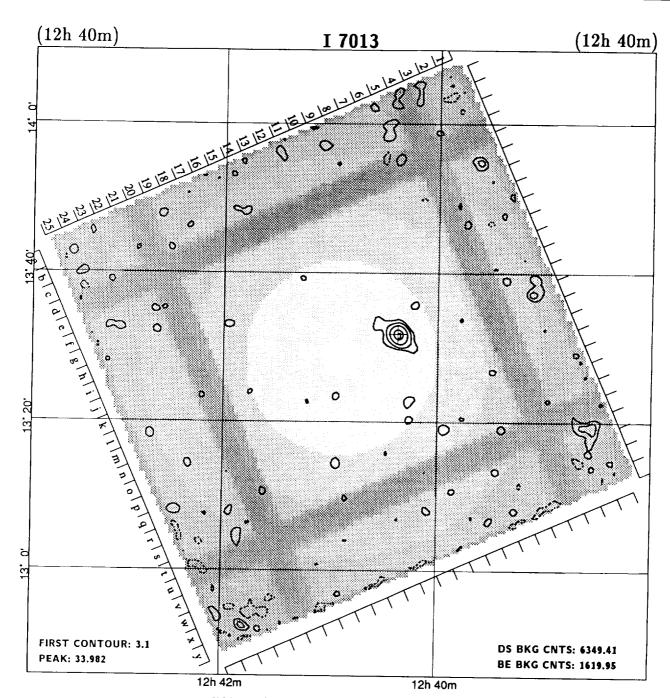
FIELD CENTER: 12^h40^m48.0^s 02°14′59" (B1950) 12^h43^m21.3^s 01°58'34" (J2000)

ℓ: 298.19 b: 64.77

DATE: 1979/178 - 1980/171 LIVETIME: 4151.5s

ROLL ANGLE: 55.9°

NH: 1.8E+20 REF/ID: FIELD FLAGS: L



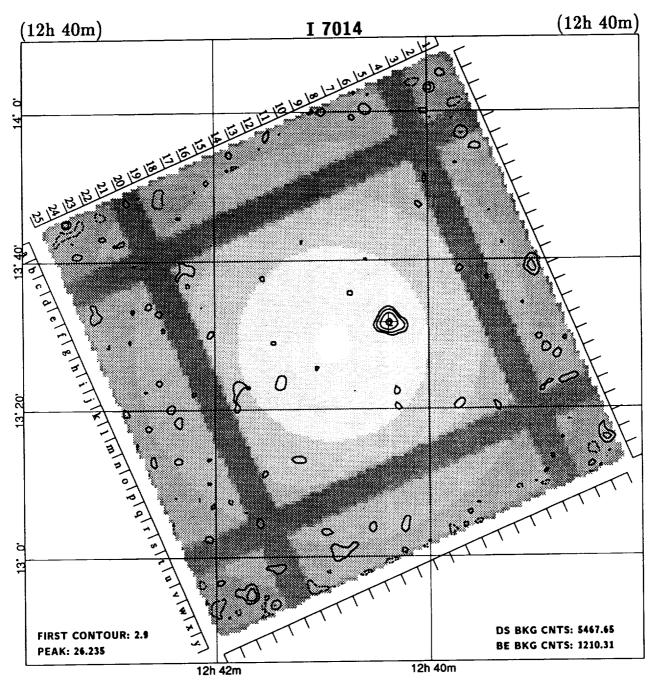
NGC 4639/4654, VIRGO CLUSTER GALAXY SURVEY

FIELD CENTER: $12^h 40^m 54.0^s$ $13^o 27' 56''$ (B1950) $12^h 43^m 24.8^s$ $13^o 11' 31''$ (J2000) ℓ : 294.87 b: 75.94

DATE: 1980/179 - 1980/179 LIVETIME: 5145.16 ROLL ANGLE: 66.3°

NH: 2.3E+20 REF/ID: FIELD FLAGS: C

CAT	FLD	RA	DEC	±	COUNT	±	NET	BKG	S/N	SIZE	RECO	R'	SRC	ID
#	#	(1950)	(1950)	"	RATE		CTS	CTS	·	COR			FLG	
2830	1	12 40 22.5	13 31 53	38	0.0319	0.0033	112.2	19.8	9.8	1.2	0	8.5	AH	



NGC 4639/4654, VIRGO CLUSTER GALAXY SURVEY

FIELD CENTER: 12^h40^m54.0^s 13°27'56" (B1950)

12^h43^m24.8^s 13°11'31" (J2000)

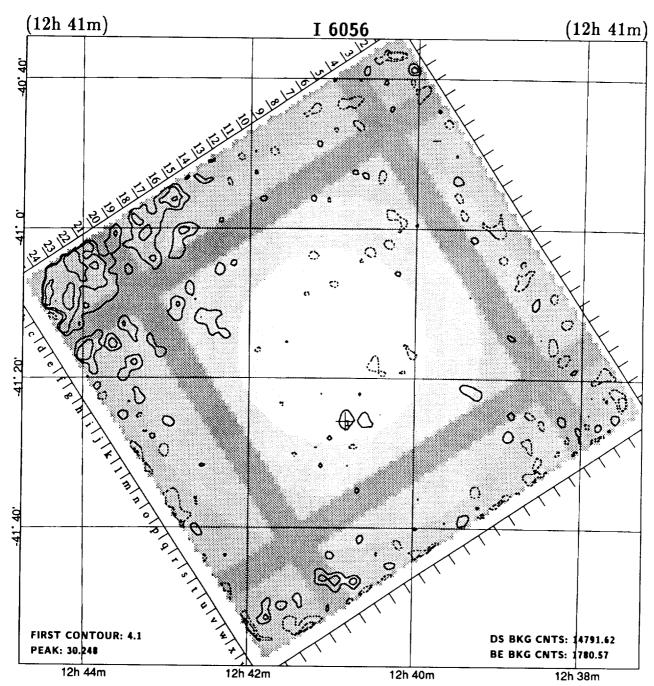
l: 294.87 b: 75.94

DATE: 1980/180 - 1980/180 LIVETIME: 4430.6s

ROLL ANGLE: 66.6°

NH: 2.3E+20 REF/ID: FIELD FLAGS: C

CAT	FLD	RA	DEC	±	COUNT	±	NET	BKG	S/N	SIZE	RECO	R'	SRC	ID
#	#	(1950)	(1950)	"	RATE		стѕ	CTS		COR			FLG	
283) 1	12 40 22.7	13 31 39	38	0.0302	0.0034	91.9	17.1	8.8	1.1	0	8.5	AH	



CENTAURUS, DETAILED STUDY OF CLUSTER EXTENTS

FIELD CENTER: 12^h41^m00.0^s -41°16'36" (B1950) 12^h43^m44.6^s -41°33'02" (J2000)

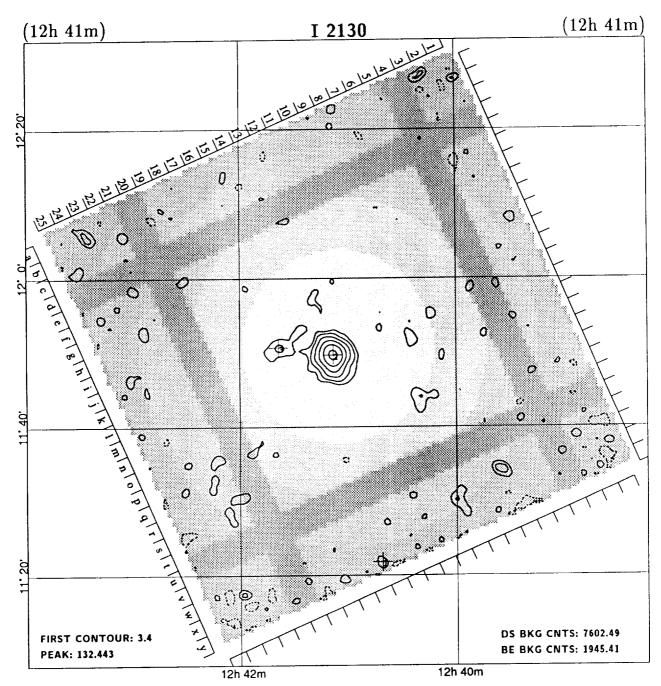
ℓ: 301.39 b: 21.30

DATE: 1980/212 - 1980/212 LIVETIME: 11986.1s

ROLL ANGLE: 56.6°

NH: 7.7E+20 REF/ID: CLG FIELD FLAGS: D

CAT	FLD	RA	DEC	±	COUNT	±	NET	BKG	S/N	SIZE	RECO	R'	SRC I	ID
#	#	(1950)	(1950)	"	RATE		CTS	CTS		COR			FLG	
2832	1	12 40 49.9	-41 25 47	46	0.0037	0.0010	29.3	35.7	3.6	0.6	0	9.4		



X-RAY SURVEY OF NORMAL GALAXIES: NGC4649=M60

FIELD CENTER: 12^h41^m06.0^s 11°49′59" (B1950) 12^h43^m37.2^s 11°33'34" (J2000)

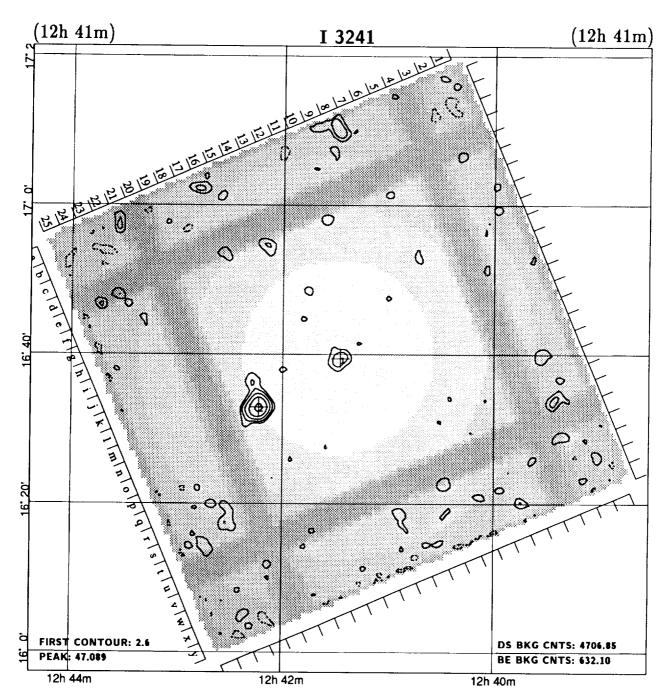
ℓ: 295.83 *b*: 74.32

DATE: 1979/179 - 1979/179 LIVETIME: 6160.6s

ROLL ANGLE: 66.4°

NH: 2.4E+20 REF/ID: FIELD FLAGS:

CAT #	FLD #	RA (1950)	DEC (1950)	± "	COUNT RATE	±	NET CTS	BKG CTS	S/N	SIZE COR	RECO	R′	SRC FLG	1D
2831		12 40 41.3	11 21 46	71	*0.0113	0.0031	27.5	5.2	3.6	0.5	601	28.9	1	
2835	2	12 41 08.2			0.1267	0.0054	578.7	26.3	23.5	1.5	0	0.8	AH	G
2839		12 41 38.5			0.0086	0.0018	36.0	23.0	4.7	1.5	0	7.7	н	



3C 275.1: DISTANT CLUSTERS ASSOCIATED WITH QSO'S

FIELD CENTER: 12^h41^m28.0^s 16°39'18" (B1950) 12^h43^m58.0^s 16°22'54" (J2000)

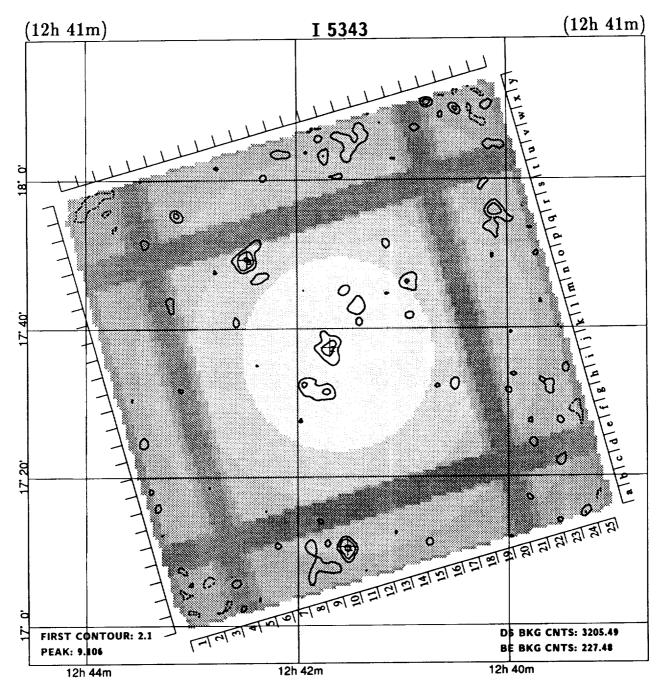
ℓ: 293.40 b: 79.11

DATE: 1979/180 - 1979/180 LIVETIME: 3814.1s

ROLL ANGLE: 67.0°

NH: 2.0E+20 REF/ID: FIELD FLAGS:

CAT	FLD	RA	DEC	±	COUNT	±	NET	BKG	S/N	SIZE	RECO	R'	SRC	ID
#	#	(1950)	(1950)	"	RATE		стѕ	CTS	Ť	COR			FLG	
2836	1	12 41 27.3	16 39 26	36	0.0124	0.0024	35.2	12.8	5.1	0.9	0	0.2		
2848	2	12 42 13.5	16 32 53	38	0.0703	0.0056	168.8	11.2	12.6	1.2	0	12.5	н	AGN



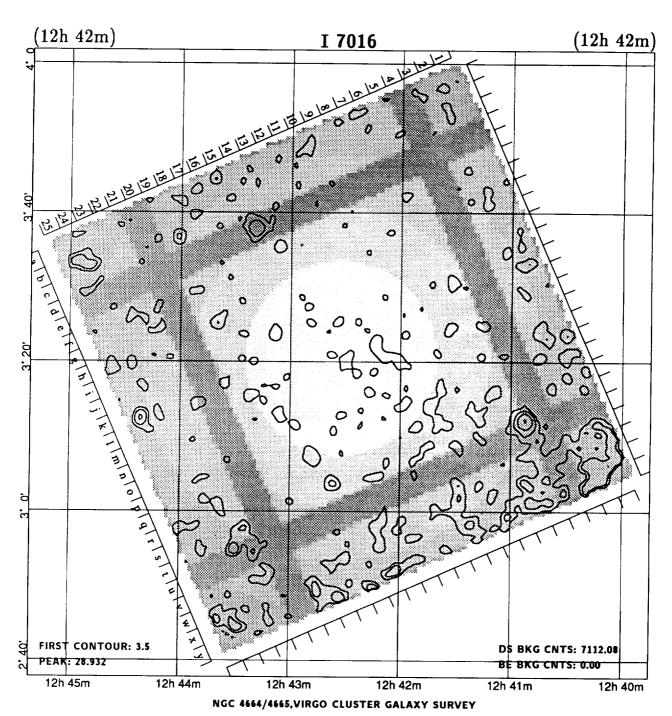
SURVEY OF BRIGHT QUASARS (PG)

FIELD CENTER: 12^h41^m37.1^s 17°36′54″ (B1950) 12^h44^m06.9^s 17°20′30″ (J2000)

12^h44^m06.9^s 17°20'30" (12000) LIVETIME: 2597.5_s £: 292.75 b: 80.07 ROLL ANGLE: -105.

DATE: 1981/ 11 - 1981/ 11 NH: 1.8E+20 LIVETIME: 2597.56 REF/ID: ROLL ANGLE: -105.6° FIELD FLAGS:

CAT	FLD	RA	DEC	±	COUNT	±	NET	BKG	S/N	SIZE	RECO	R'	SRC	ID
#	#	(1950)	(1950)	"	RATE		CTS	CTS	·	COR			FLG	
2837	1	12 41 31.8	17 10 34	52	0.0180	0.0046	19.6	5.4	3.9	0.9	0	26.3	Н	
2840	2	12 41 41.4	17 37 27	37	0.0142	0.0031	27.3	7.7	4.6	1.2	0	1.5	н	Q
2849	3	12 42 28.6		51	0.0185	0.0040	26.2	6.8	4.6	1.1	600	17.7	Н	



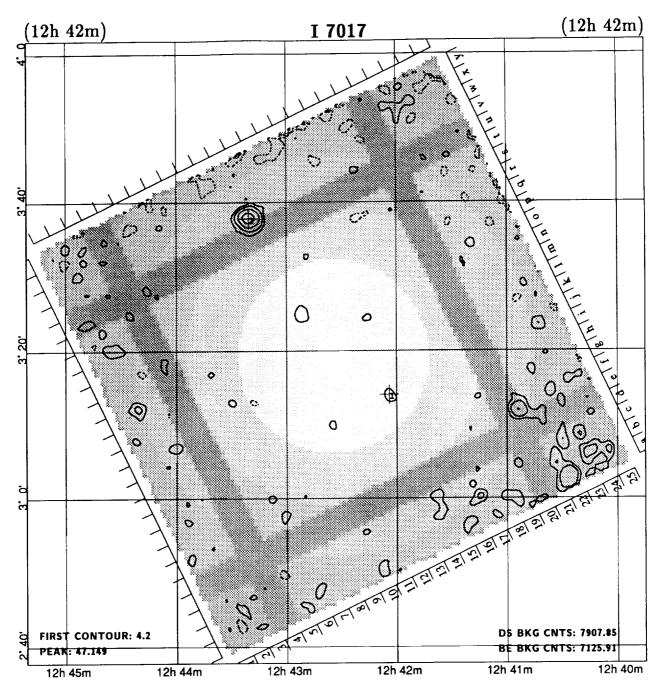
FIELD CENTER: 12h42m33.0s 03°19'47" (B1950)

 $12^{h}45^{m}06.0^{s}$ $03^{\circ}03'24''$ (J2000) \$\ell: 299.06 b: 65.88 DATE: 1980/178 - 1980/178 LIVETIME: 5763.1s

ROLL ANGLE: 66.3°

NH: 1.9E+20 REF/ID:

FIELD FLAGS: CLS



NGC 4664/4665, VIRGO CLUSTER GALAXY SURVEY

FIELD CENTER: 12h42m33.0 03019'47" (B1950) 12^h45^m06.0^s 03°03'24" (J2000)

ℓ: 299.06 b: 65.88

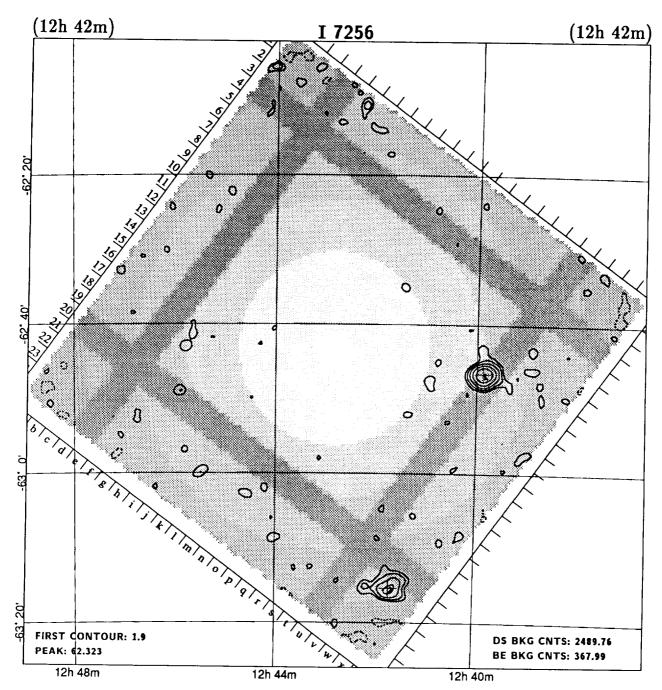
DATE: 1980/347 - 1980/347 LIVETIME: 6408.1s

ROLL ANGLE: -115.7°

NH: 1.9E+20 REF/ID:

FIELD FLAGS: CL

												-1		
CAT	FLD	RA	DEC	±	COUNT	±	NET	BKG	S/N	SIZE	RECO	R'	SRC	ID
#	#	(1950)	(1950)	"	RATE		CTS	CTS		COR			FLG	
2846	1L	12 42 04.0	03 14 02	43	0.0099	0.0023	42.6	24.4	4.2	0.5	0	9.2		
2851	2L	12 43 20.5	03 37 48	48	*0.0479	0.0065	147.0	24.0	7.2	1.1	704	21.5		

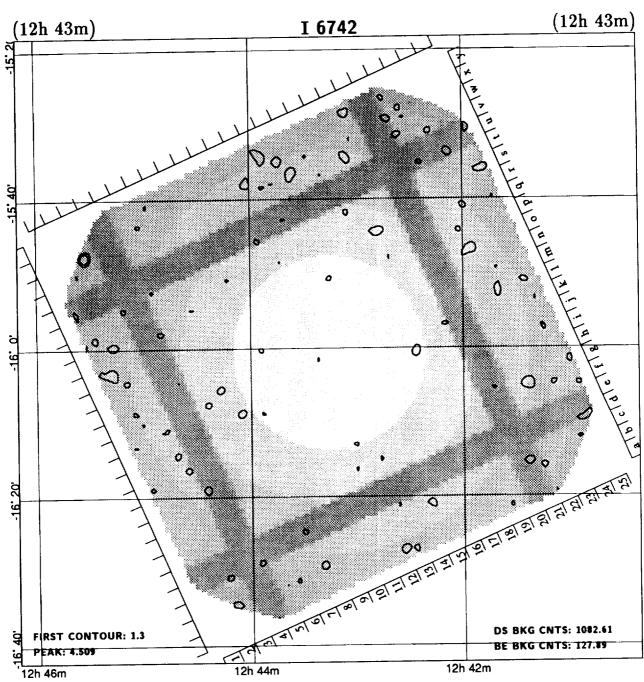


SS 36, STRONG EMISSION LINE STAR

FIELD CENTER: $12^{h}42^{m}48.3^{s}$ $-62^{o}44'08''$ (B1950) $12^{h}45^{m}47.1^{s}$ $-63^{o}00'32''$ (J2000) ℓ : 302.29 b: -0.14

DATE: 1980/238 - 1980/238 LIVETIME: 2017.6s ROLL ANGLE: 36.5° NH: 1.5E+21 REF/ID: S FIELD FLAGS:

CAT	FLD	RA	DEC	±	COUNT	±	NET	BKG	S/N	SIZE	RECO	R'	SRC	ID
#	#	(1950)	(1950)	"	RATE		CTS	CTS	ĺ	COR			FLG	
2828	1	12 39 52.8	-62 46 34	47	*0.149	0.012	151.3	3.7	12.1	1.1	1209	20.3	Н	
2841	2	12 41 41.8	-63 15 24	51	*0.058	0.010	35.3	3.7	5.6	1.5	602	32.0	н	

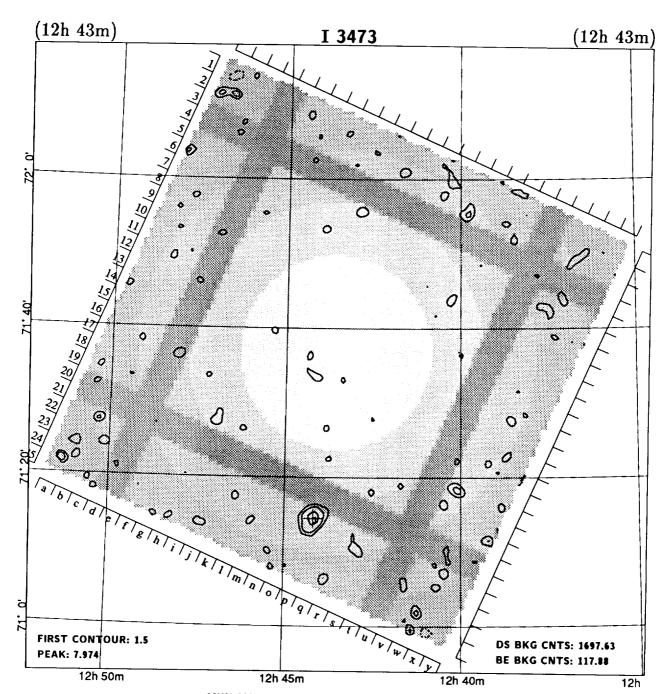


SEARCH FOR HIGH LX QSO'S: 18

DATE: 1980/ 9 - 1980/ 9

FIELD CENTER: 12^h43^m16.1^s -16°00'16" (B1950) 12^h45^m53.6^s -16°16'40" (J2000)

 $12^{h}45^{m}53.6^{s}$ -16°16'40" (J2000) LIVETIME: 877.36 £: 301.00 b: 46.57 ROLL ANGLE: -113.8° NH: 3.9E+20 REF/ID: FIELD FLAGS:

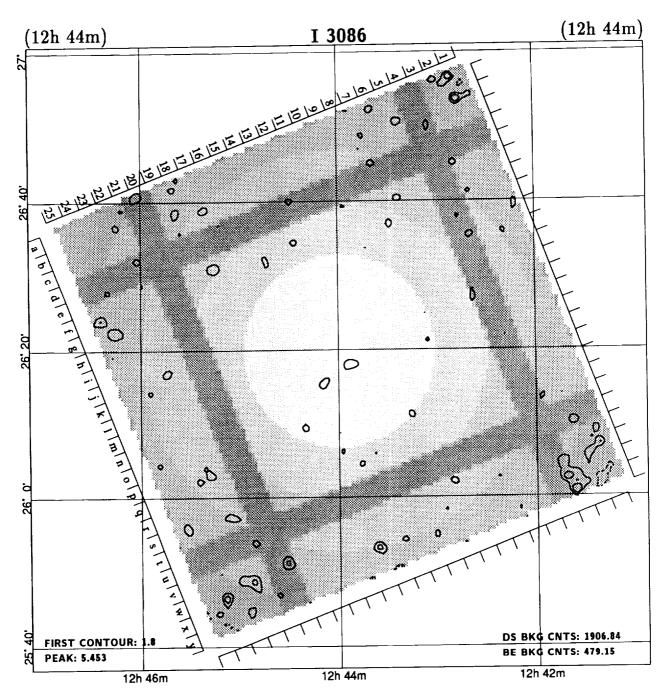


MKN 223,SEYFERT AND ACTIVE NUCLEI GALAXIES

FIELD CENTER: $12^h 43^m 30.0^s$ $71^o 35'59''$ (B1950) $12^h 45^m 25.3^s$ $71^o 19'36''$ (J2000) ℓ : 123.62 b: 45.79

DATE: 1979/118 - 1979/118 LIVETIME: 1375.76 ROLL ANGLE: 23.9° NH: 1.5E+20 REF/ID: FIELD FLAGS:

CAT	FLD	RA	DEC	±	COUNT	±	NET	BKG	S/N	SIZE	RECO	R'	SRC	ID
#	#	(1950)	(1950)	"	RATE		стѕ	CTS	,	COR		•	FLG	
2855	1	12 44 10.5	71 14 26	52	*0.0360	0.0079	23.2	2.8	4.6	1.3	501	21.5	Н	



RADIO SOURCES WITH STEEP SPECTRA: 1244+26

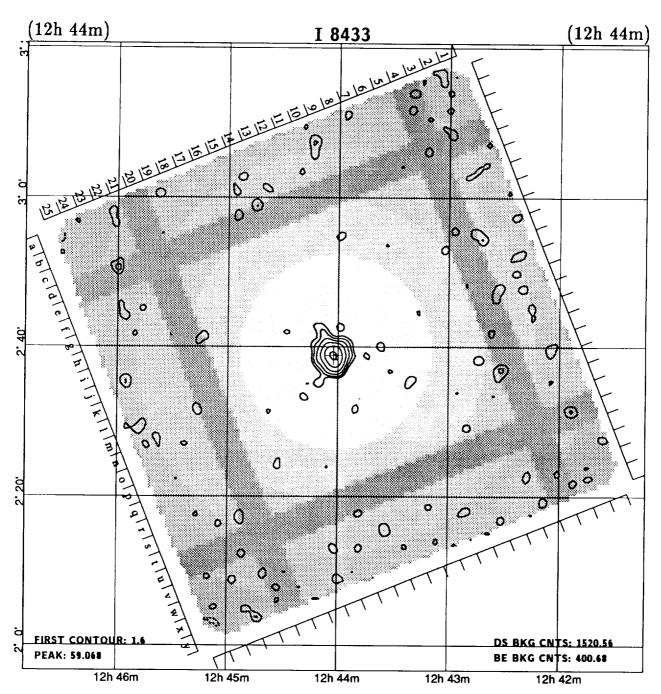
FIELD CENTER: 12^h44^m00.0^s 26°18'59" (B1950) 12^h46^m27.3^s 26°02'37" (J2000)

ℓ: 256.88 b: 88.45

DATE: 1979/183 - 1979/183 LIVETIME: 1545.2s

ROLL ANGLE: 69.0°

NH: 1.0E+20 REF/ID: FIELD FLAGS:

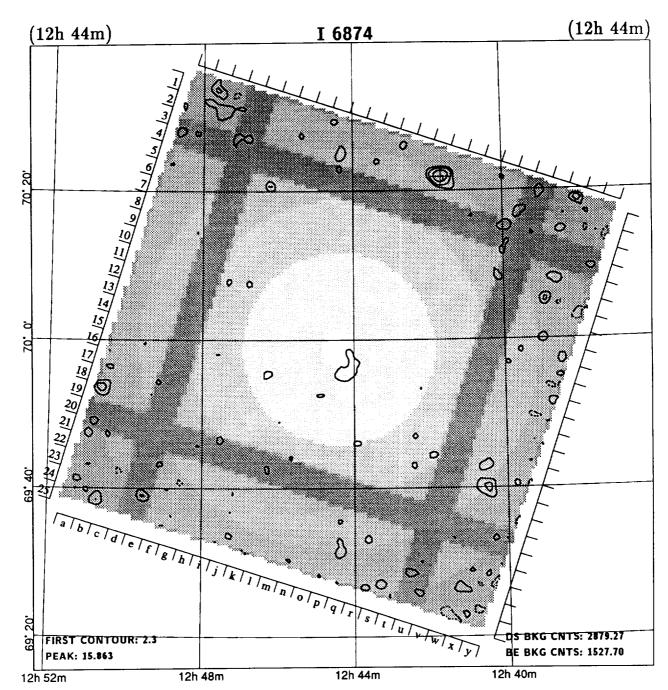


SURVEY OF BRIGHT (PG) QUASARS

FIELD CENTER: $12^h 44^m 01.9^s$ $02^o 38'34''$ (B1950) $12^h 46^m 35.1^s$ $02^o 22'12''$ (J2000) ℓ : 300.04 b: 65.21

DATE: 1980/195 - 1980/195 LIVETIME: 1232.2s ROLL ANGLE: 68.2° NH: 1.8E+20 REF/ID: FIELD FLAGS:

CAT #	FLD #	RA (1950)	DEC (1950)	± "	COUNT RATE	±	NET CTS	BKG CTS	S/N	SIZE COR	RECO	R'	SRC FLG	ID
2854	1	12 44 02.4	02 38 50	31	0.269	0.017	247.0	5.0	15.6	1.4	0	0.2	Н	Q



A1614,CLUSTER LUMINOSITIES @ Z=0.25.

FIELD CENTER: 12^h44^m18.0^s 69°57'59" (B1950) 12^h46^m16.0^s 69°41'37" (J2000)

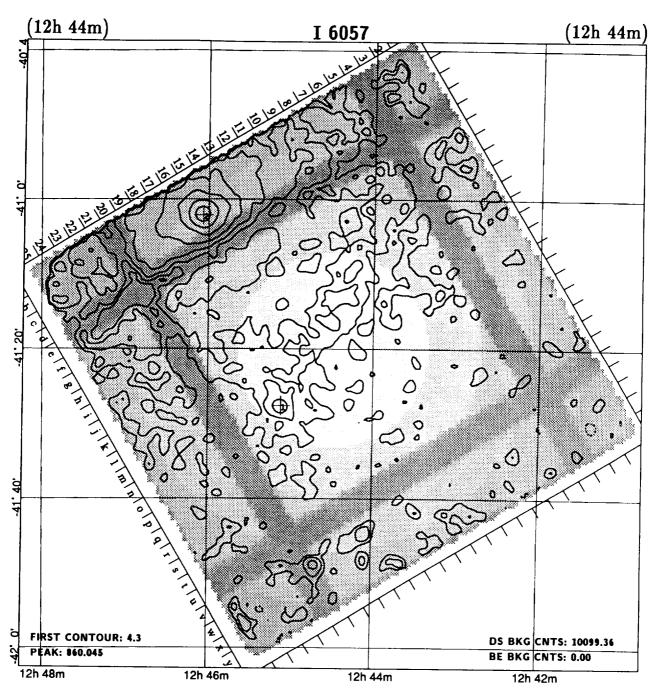
ℓ: 123.60 b: 47.43

DATE: 1980/112 - 1980/112 LIVETIME: 2416.9s

ROLL ANGLE: 17.9°

NH: 1.5E+20 REF/ID: ! FIELD FLAGS:

CAT #	FLD #	RA (1950)	DEC (1950)	± "	COUNT RATE	±	NET CTS	BKG CTS	S/N	SIZE COR	RECO	R'	SRC FLG	ID
2838	1	12 41 38.4	70 21 50	51	0.0365	0.0067	35.2	6.8	5.4	1.0	0	27.3	Н	

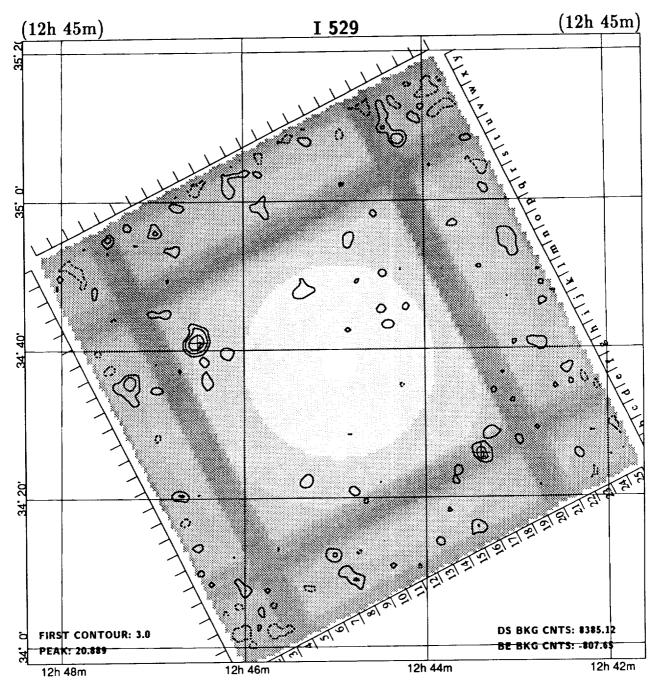


CENTAURUS, DETAILED STUDY OF CLUSTER EXTENTS

FIELD CENTER: $12^{h}44^{m}30.0^{s}$ - $41^{o}20'48''$ (B1950) $12^{h}47^{m}15.5^{s}$ - $41^{o}37'11''$ (J2000) ℓ : 302.09 b: 21.25

DATE: 1980/208 - 1980/208 LIVETIME: \$183.86 ROLL ANGLE: 59.1° NH: 7.7E+20 REF/ID: CLG FIELD FLAGS: L

C	AT	FLD	RA	DEC	±	COUNT	±	NET	BKG	S/N	SIZE	RECO	R'	SRC	ID
	#	#	(1950)	(1950)	"	RATE		CTS	CTS		COR			FLG	
28	157	1L	12 45 06.8	-41 27 39	41	0.0116	0.0025	63.0	60.0	4.5	215.2	0	9.8		
28	62	2L	12 46 04.0	-41 02 07	47	0.397	0.016	1378.8	833.2	24.1	6.4	100	25.7	A	i



GROUP OF HIGH Z QUASARS QUASAR SURVEY

FIELD CENTER: 12^h45^m00.0^s 34°39'59" (B1950) 12^h47^m24.5^s 34°23'38" (J2000)

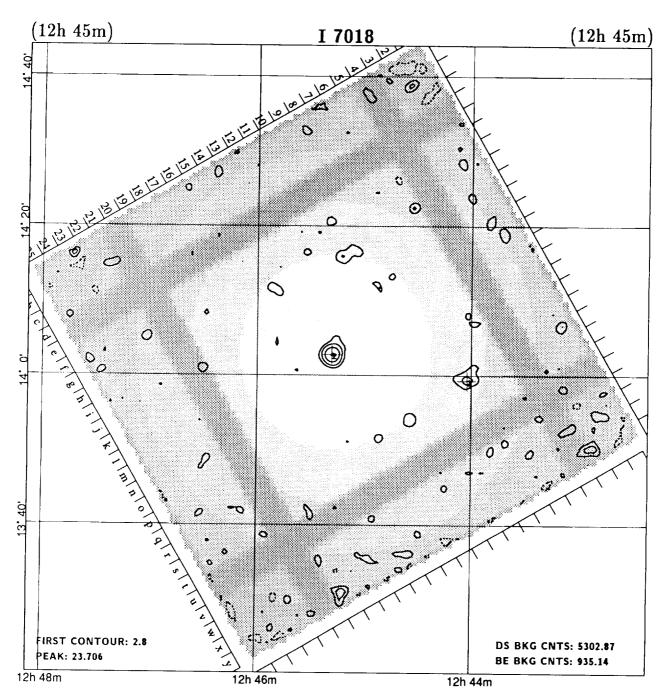
l: 129.47 b: 82.68

DATE: 1978/354 - 1978/354 LIVETIME: 6794.7s

ROLL ANGLE: -116.7°

NH: 1.3E+20 REF/ID: FIELD FLAGS:

CAT	FLD	RA	DEC	±	COUNT	±	NET	BKG	S/N	SIZE	RECO	R'	SRC	ID
#	#	(1950)	(1950)	"	RATE		стѕ	CTS		COR			FLG	
2852	1	12 43 23.7	34 25 55	56	*0.0075	0.0018	24.0	8.0	4.2	0.8	1209	23.8		
2866	2	12 46 30.7	34 41 00	50	0.0175	0.0025	62.0	13.0	7.2	1.1	0	18.8	Н	_Q



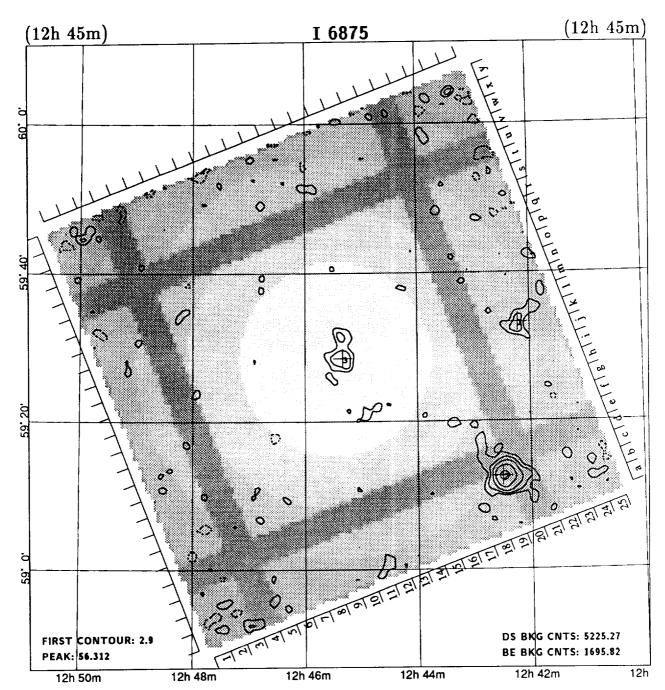
NGC 4689, VIRGO CLUSTER GALAXY SURVEY

FIELD CENTER: $12^h 45^m 15.0^s 14^\circ 02'05''$ (B1950) $12^h 47^m 45.4^s 13^\circ 45'44''$ (J2000) ℓ : 299.07 ℓ : 76.61

DATE: 1980/180 - 1980/180 LIVETIME: 4297.1s ROLL ANGLE: 59.9°

NH: 2.2E+20 REF/ID: FIELD FLAGS:

CAT	FLD	RA	DEC	±	COUNT	±	NET	BKG	S/N	SIZE	RECO	R'	SRC	ID I
#	#	(1950)	(1950)		RATE		стѕ	CTS	Í	COR			FLG	
2853	1	12 44 02.4	13 59 16	55	0.0084	0.0024	19.5	11.5	3.5	1.0	0	17.7	Н	
2858	2	12 45 18.1	14 02 45	32	0.0272	0.0032	87.1	16.9	8.5	1.0	0	0.9	Н	



A1617,CLUSTER LUMINOSITIES @ Z=0.25.

FIELD CENTER: 12^h45^m24.0^s 59°28'59" (B1950) 12^h47^m35.0^s 59°12'38" (J2000)

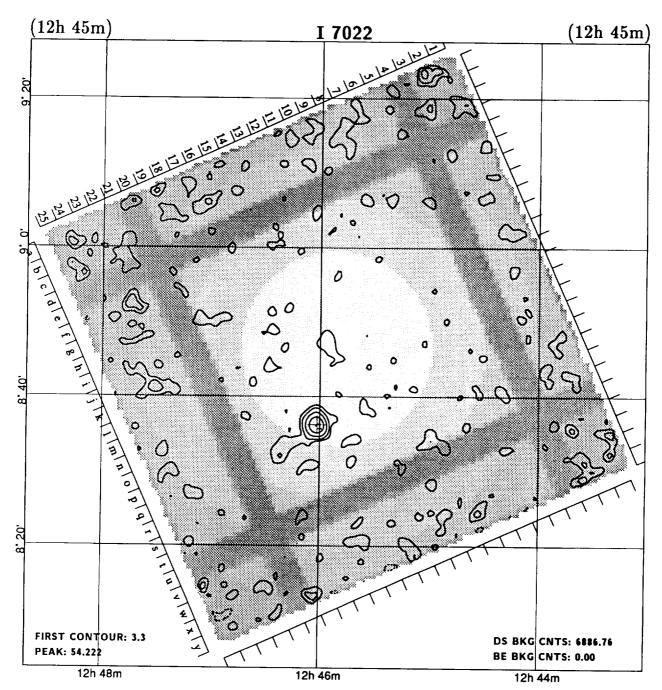
ℓ: 123.86 b: 57.91

DATE: 1980/357 - 1980/357 LIVETIME: 4234.2s

ROLL ANGLE: -111.0°

NH: 1.3E+20 REF/ID: FIELD FLAGS:

CAT	FLD	RA	DEC	±	COUNT	±	NET	BKG	S/N	SIZE	RECO	R'	SRC	ID
#	#	(1950)	(1950)	"	RATE		CTS	CTS		COR			FLG	
2847	1	12 42 12.7	59 33 19	58	0.0114	0.0031	20.6	11.4	3.6	1.3	0	24.6	н	
2850	2	12 42 30.1	59 12 37	48	*0.0801	0.0072	132.3	9.7	11.1	1.5	1106	27.5	Н	
2859	3	12 45 19.7	59 28 35	35	0.0166	0.0027	52.4	19.6	6.2	1.7	0	0.6	н	CLG

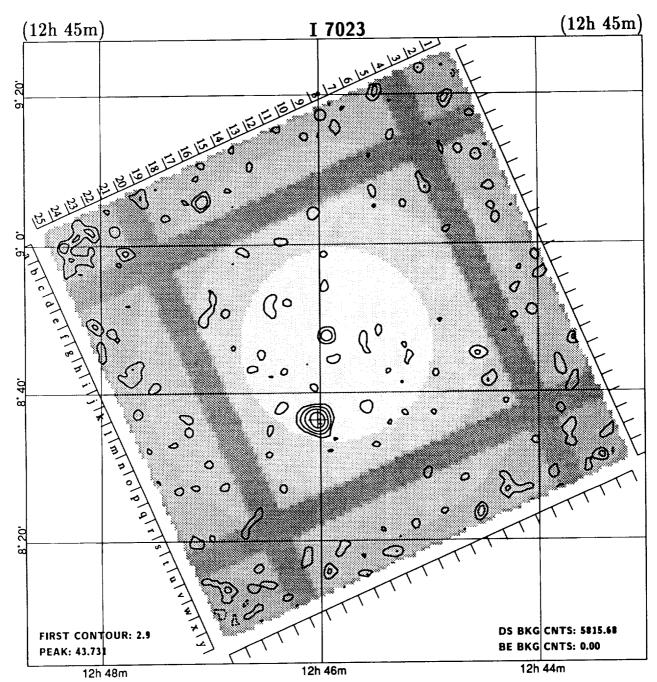


NGC 4698, VIRGO CLUSTER GALAXY SURVEY

FIELD CENTER: $12^h 45^m 51.6^s$ $08^o 45'35''$ (B1950) $12^h 48^m 23.3^s$ $08^o 29'14''$ (J2000) ℓ : 300.57 b: 71.35

DATE: 1980/178 - 1980/178 LIVETIME: 5580.6s ROLL ANGLE: 66.0° NH: 1.8E+20 REF/ID: FIELD FLAGS: CL

CAT	FLD	RA	DEC	±	COUNT	±	NET	BKG	S/N	SIZE	RECO	R'	SRC	ID
#	#	(1950)	(1950)	"	RATE		CTS	CTS	•	COR			FLG	
2861	1L	12 46 01.4	08 36 17	38	0.0436	0.0044	160.5	37.5	9.7	1.4	0	9.7	A	



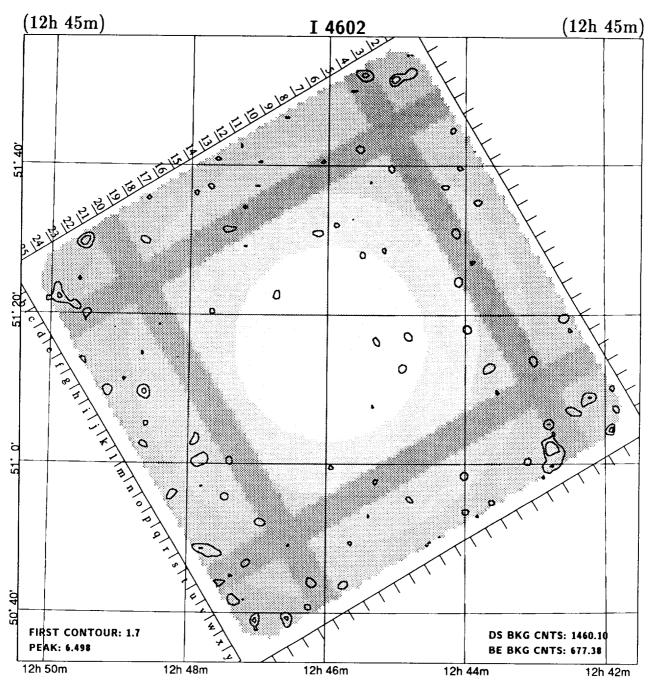
NGC 4698, VIRGO CLUSTER GALAXY SURVEY

FIELD CENTER: 12^h45^m51.6^s 08°45'35" (B1950) 12^h48^m23.3^s 08°29'14" (J2000)

l: 300.57 b: 71.35

DATE: 1980/179 - 1980/179 LIVETIME: 4712.6s ROLL ANGLE: 66.2° NH: 1.8E+20 REF/ID: ! FIELD FLAGS: CL

CAT	FLD	RA	DEC	±	COUNT	±	NET	BKG	S/N	SIZE	RECO	R'	SRC	ID
#	#	(1950)	(1950)	"	RATE		CTS	CTS		COR			FLG	
2861	1L	12 46 01.5	08 36 18	38	0.0448	0.0049	139.4	34.6	9.0	1.2	0	9.6	A	



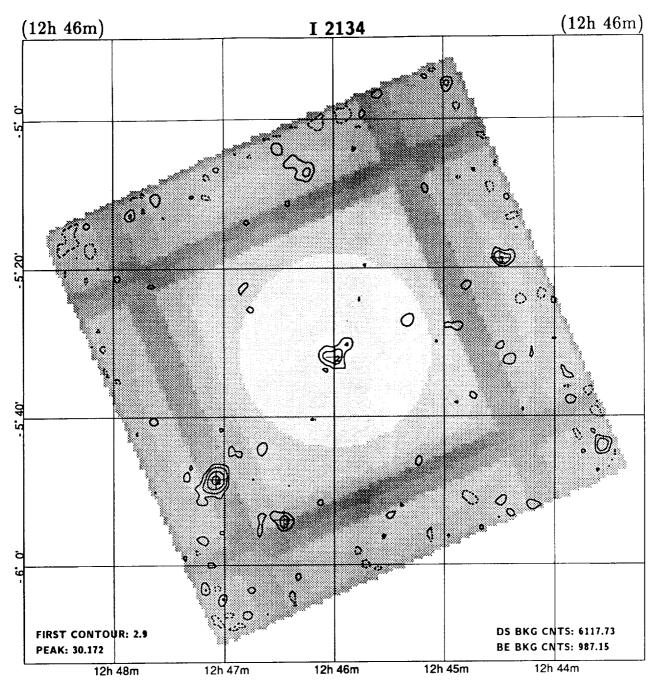
MKN 227: S-TYPE MARKARIAN GALAXY

FIELD CENTER: 12h45m57.8 51°15'21" (B1950) 12^h48^m14.6^s 50°59'00" (J2000)

ℓ: 124.17 b: 66.14

DATE: 1980/158 - 1980/158 LIVETIME: 1183.2s ROLL ANGLE: 59.1°

NH: 1.2E+20 REF/ID: FIELD FLAGS: L

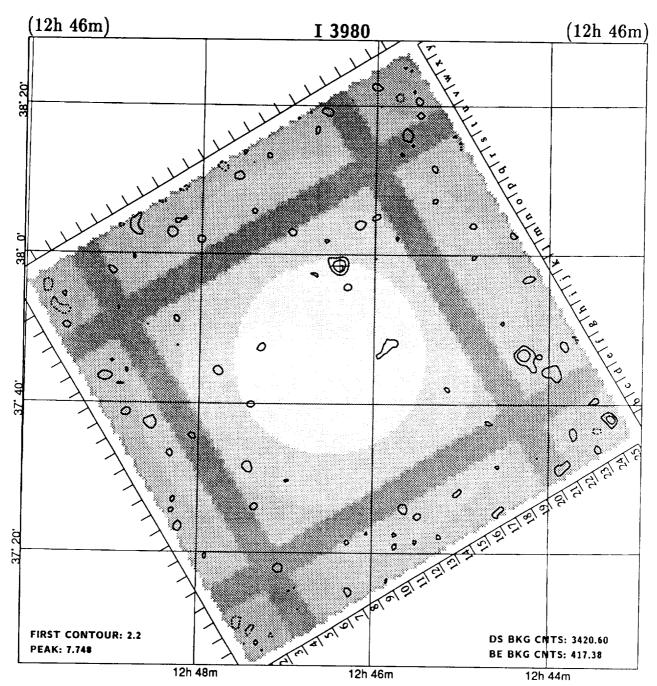


X-RAY SURVEY OF NORMAL GALAXIES: NGC4697

FIELD CENTER: $12^{h}46^{m}00.0^{s}$ $-05^{o}30'59''$ (B1950) $12^{h}48^{m}35.1^{s}$ $-05^{o}47'20''$ (J2000) ℓ : 301.63 b: 57.08

DATE: 1979/178 - 1980/ 19 LIVETIME: 4957.4s NH: 2.0E+20 REF/ID: FIELD FLAGS:

CAT	FLD	RA	DEC	±	COUNT	±	NET	BKG	S/N	SIZE	RECO	R'	SRC	ID
#	#	(1950)	(1950)	"	RATE		CTS	CTS		COR			FLG	
2856	1	12 44 29.6	-05 18 45	55	0.0095	0.0027	19.9	12.1	3.5	0.8	100	25.7	н	
2860	2	12 45 59.4	-05 31 57	35	0.0114	0.0021	42.1	17.9	5.4	1.3	0	0.9	н	G
2864	3	12 46 27.6	-05 53 57	57	*0.0085	0.0024	19.0	9.0	3.6	0.8	1308	23.8	:	
2867	4	12 47 04.6	-05 48 24	50	*0.0280	0.0038	62.4	8.6	7.4	1.3	1509	23.6	Α	S



AB 9, BRIGHT OPTICALLY-SELECTED QUASAR

FIELD CENTER: 12h46m28.7 37°46'49" (B1950) 12^h48^m51.8^s 37°30′29″ (J2000)

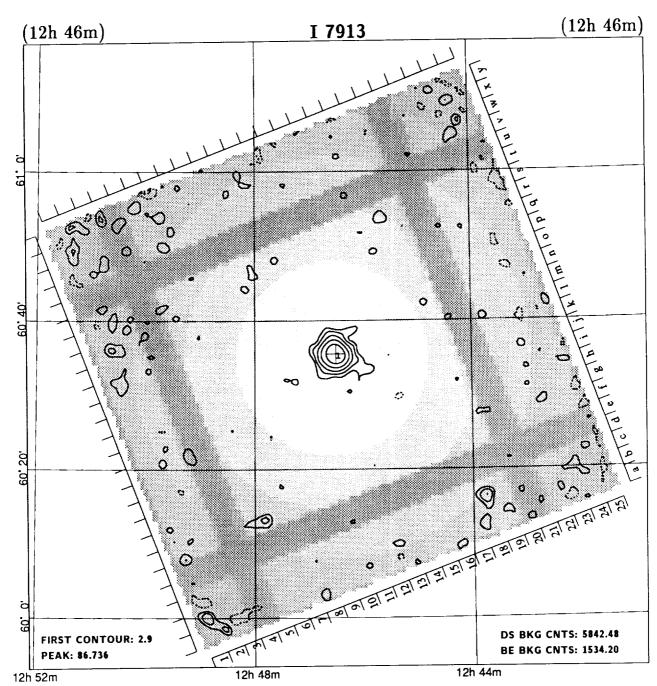
ℓ: 125.76 b: 79.61

DATE: 1979/342 - 1979/342 LIVETIME: 2771.8s

ROLL ANGLE: -121.3°

NH: 1.4E+20 REF/ID: FIELD FLAGS:

CAT	FLD	RA	DEC	±	COUNT	±	NET	BKG	S/N	SIZE	RECO	R'	SRC	ID.
#	#	(1950)	(1950)	"	RATE		стѕ	CTS	•	COR			FLG	
2863	1	12 46 24.3	37 58 31	42	0.0132	0.0032	23.1	8.9	4.1	0.8	0	11.9	Н	



HD 111456,CORONAL ACTIVITY IN F.G. & K STARS

FIELD CENTER: 12^h46^m29.3^s 60°35'31" (B1950)

12^h48^m38.7^s 60°19′11″ (J2000)

ℓ: 123.56 b: 56.81

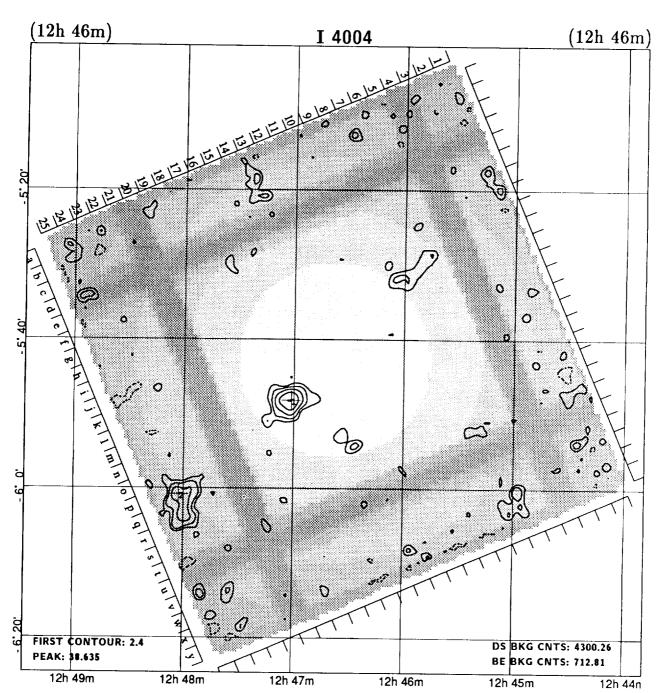
DATE: 1980/357 - 1980/357

LIVETIME: 4734.4s

ROLL ANGLE: -110.7°

NH: 1.4E+20 REF/ID: FIELD FLAGS:

CAT	FLD	RA	DEC	±	COUNT	±	NET	BKG	S/N	SIZE	RECO	R'	SRC	ID
#	#	(1950)	(1950)	"	RATE		CTS	CTS		COR			FLG	
2865	1	12 46 30.2	60 35 31	31	0.1173	0.0059	413.7	19.3	19.9	1.6	0	0.4	Н	S



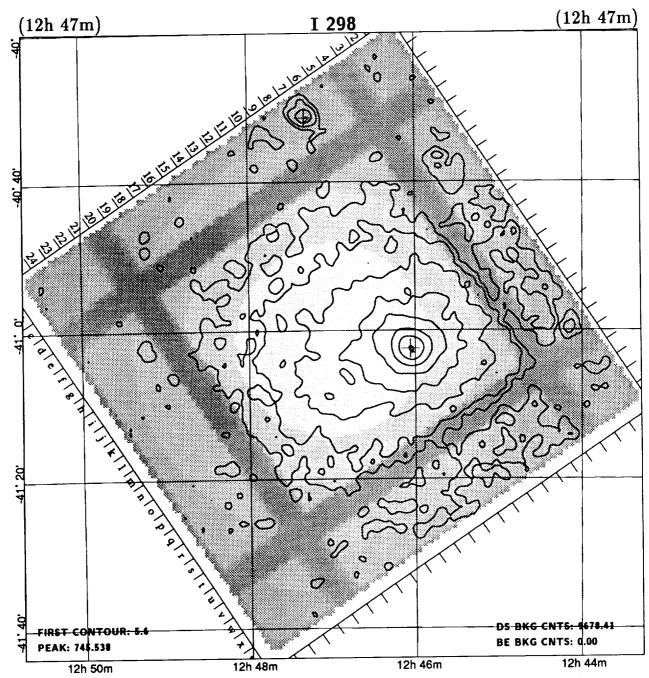
QUASAR Q 1246-057

FIELD CENTER: $12^h 46^m 38.0^s$ -05° 42' 43'' (B1950) $12^h 49^m 13.1^s$ -05° 59' 04'' (J2000) ℓ : 301.92 b: 56.88

DATE: 1979/201 - 1979/202 LIVETIME: 3484.66 ROLL ANGLE: 66.8°

NH: 2.1E+20 REF/ID: FIELD FLAGS:

CAT FLD RA DEC COUNT ± NET BKG S/N SIZE RECO SRC (1950)# (1950)RATE CTS CTS COR FLG 2867 1 12 47 01.4 -05 48 06 0.0608 38 0.0052 146.1 11.9 11.6 1.5 0 8.1 AH S 2870 12 48 02.6 -06 00 49 0.0248 0.0048 33.2 8.8 5.1 2.7 27.8 н



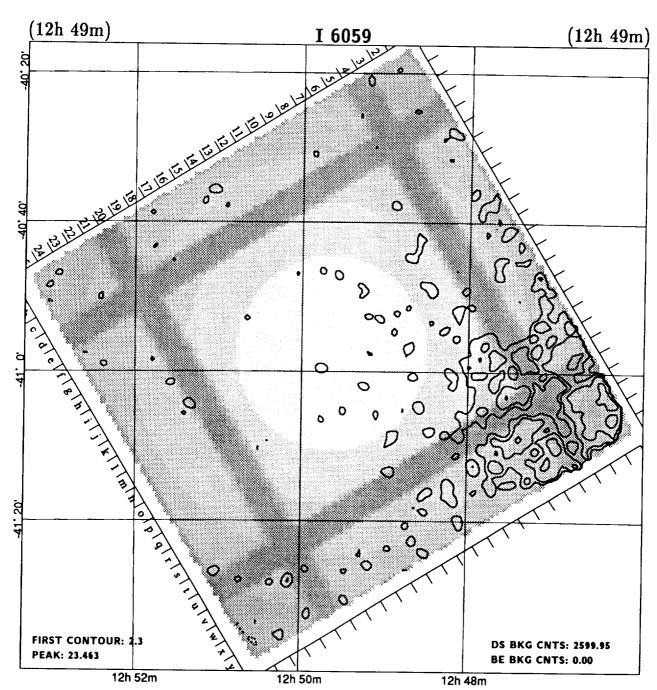
CENTAURUS DETAILED CLUSTER STUDY

DATE: 1979/214 - 1979/215

FIELD CENTER: 12^h47^m00.0^s -41°01'59" (B1950) 12^h49^m46.0^s -41°18'19" (J2000)

 $12^{h}49^{m}46.0^{s}$ -41°18′19″ (J2000) LIVETIME: 7842.7s ℓ: 302.59 b: 21.57 ROLL ANGLE: 56.2° NH: 7.8E+20 REF/ID: CLG FIELD FLAGS: L

CAT	FLD	RA	DEC	±	COUNT	±	NET	BKG	S/N	SIZE	RECO	R'	SRC	ID
#	#	(1950)	(1950)	"	RATE		CTS	CTS		COR			FLG	
2862	1L	12 46 03.5	-41 02 23	37	0.362	0.013	1869.5	1384.5	26.9	8.4	0	10.7	A	
2868	2L	12 47 19.1	-40 31 21	54	0.0194	0.0041	52.9	32.1	4.7	1.4	0	30.9		



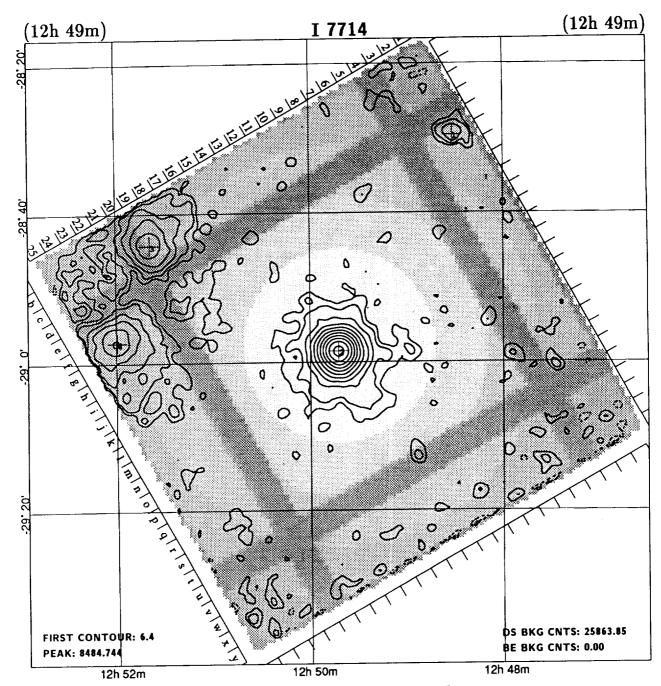
CENTAURUS, DETAILED STUDY OF CLUSTER EXTENTS

FIELD CENTER: 12^h49^m37.0^s -40°58'18" (B1950) 12^h52^m23.6^s -41°14'36" (J2000)

ℓ: 303.13 b: 21.63

DATE: 1980/206 - 1980/210 LIVETIME: 2106.8s ROLL ANGLE: 58.6°

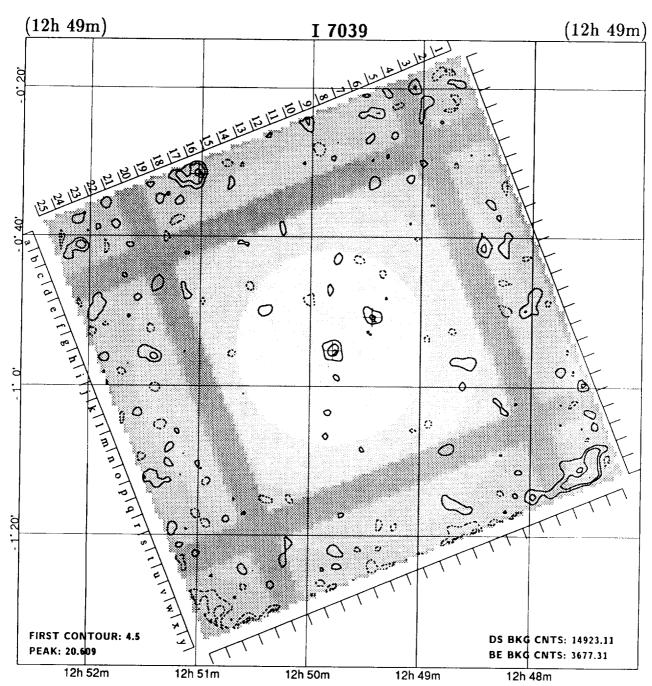
NH: 7.8E+20 REF/ID: CLG FIELD FLAGS: LS



EX HYA, AM HERCULIS TYPE OBJECT

FIELD CENTER: $12^{h}49^{m}42.4^{s}$ -28°58'39" (B1950) $12^{h}52^{m}24.4^{s}$ -29°14'57" (J2000) ℓ : 303.19 b: 33.62 DATE: 1980/210 - 1980/210 LIVETIME: 20958.4s ROLL ANGLE: 60.7° NH: 6.2E+20 REF/ID: FIELD FLAGS: L

	CAT	FLD	RA	DEC	±	COUNT		NET	BKG	S/N	SIZE	RECO	R'	SRC	ID
	#	#	(1950)	(1950)	"	RATE		стѕ	CTS		COR			FLG	
	2871	1L	12 48 31.2	-28 29 32	50	*0.0109	0.0021	81.0	49.5	5.3	1.4	401	33.0	ı.	
- 1	2876	2L	12 49 42.3	-28 58 32	31	2.127	0.014	33203.5	3795.4	152.5	1.3	0	0.1	Α	CV
1	2885	3L	12 51 39.1			*0.0407	0.0053	310.4	258.4	7.6	8.2	803	29.3		
- 1	2886	4L	12 51 59.5			0.0328	0.0040	238.6	294.4	8.2	7.8	0	30.0	<u></u>	

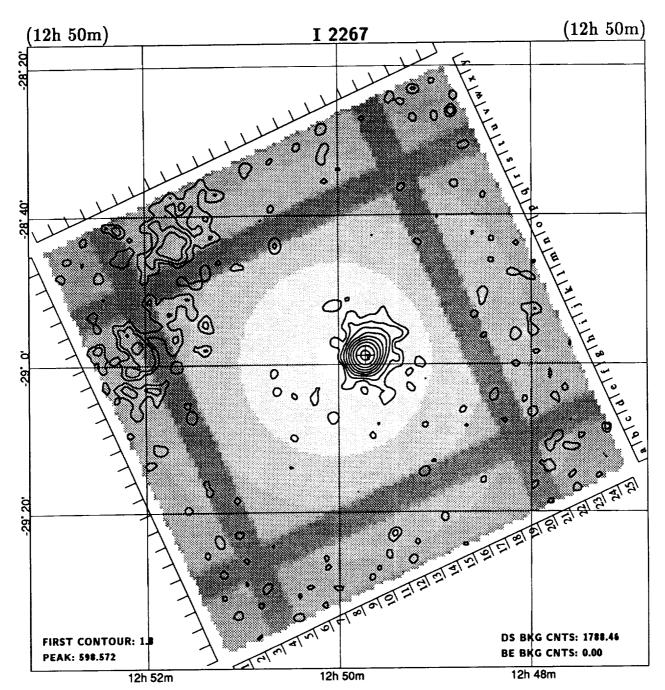


NGC 4753, EARLY GALAXY SURVEY

FIELD CENTER: $12^{h}49^{m}48.7^{s}$ -00°55′39″ (B1950) $12^{h}52^{m}22.7^{s}$ -01°11′57″ (J2000) ℓ : 303.43 b: 61.67

DATE: 1980/198 - 1980/198 LIVETIME: 12092.6s ROLL ANGLE: 67.9° NH: 1.6E+20 REF/ID: FIELD FLAGS:

CAT	FLD	RA	DEC	±	COUNT	±	NET	BKG	S/N	SIZE	RECO	R'	SRC	ID
#	#	(1950)	(1950)	"	RATE		CTS	CTS		COR			FLG	
2875	1	12 49 26.4	-00 50 43	42	0.0042	0.0011	35.7	48.3	3.9	0.8	0	8.0		
2877	2	12 49 47.7	-00 55 16	35	0.0065	0.0011	58.5	46.5	5.7	0.8	0	0.4	н	G
2883	3	12 51 01.6	-00 31 39	52	0.0085	0.0018	36.3	24.7	4.6	1.4	500	30.5	н	



STELLAR SURVEY-CATACLYSMIC VARIABLES: EX HYA

FIELD CENTER: 12^h50^m00.0' -28°58'59" (B1950)

12h52m42.0' -29°15'17" (J2000)

ℓ: 303.26 *b*: 33.62

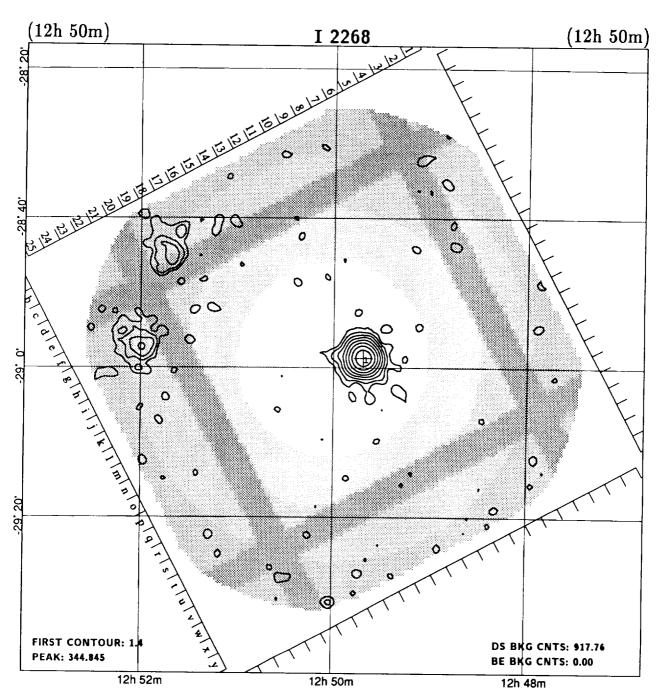
DATE: 1979/ 13 - 1979/ 13

LIVETIME: 1449.3s ROLL ANGLE: -114.5°

NH: 6.2E+20 REF/ID:

FIELD FLAGS: CL

ſ	CAT #	FLD #	RA (1950)	DEC (1950)	± "	COUNT RATE	±	NET CTS		S/N	SIZE COR	RECO	R'	SRC FLG	ID
H	2876	7L	12 49 43.3	-28 58 49	31	2.157	0.052	2257.1	138.9	41.1	1.2	0	3.7	Α	CV



STELLAR SURVEY-CATACLYSMIC VARIABLES: EX HYA

DATE: 1980/206 - 1980/206

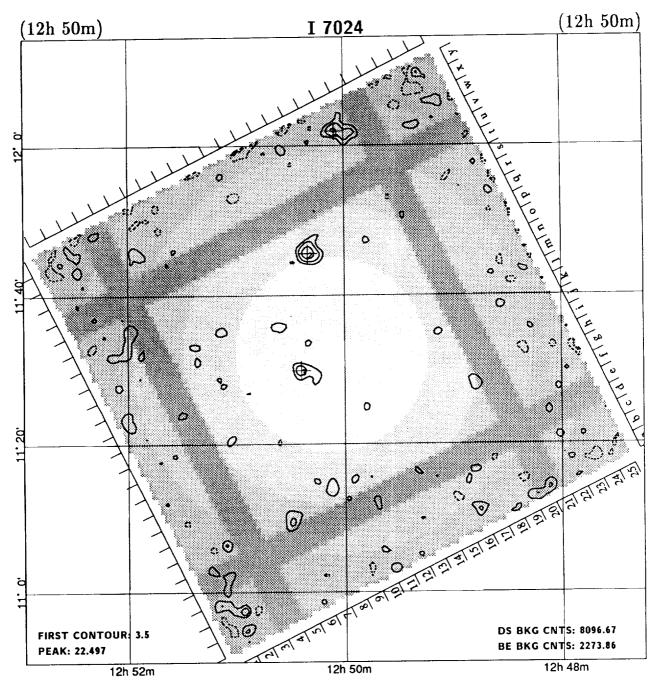
FIELD CENTER: 12^h50^m00.0^s -28°58′59" (B1950) 12^h52^m42.0^s -29°15′17" (J2000)

 $12^h52^m42.0^s$ -29°15′17″ (J2000)
 LIVETIME: 743.78

 ℓ : 303.26 b: 33.62
 ROLL ANGLE: 62.0°

NH: 6.2E+20 REF/ID: FIELD FLAGS: CLS

CAT FL	.D	RA	DEC	±	COUNT	<u>±</u>	NET	BKG	S/N	SIZE	RECO	R'	SRC	ID
# #	#	(1950)	(1950)	"	RATE		CTS	CTS	·	COR			FLG	
2876 1	<u> </u>	12 49 41.5	-28 58 41	31	2.456	0.081	1318.1	159.9	30.1	1.3	0	4.0	Α	CV



NGC 4754/4762, VIRGO CLUSTER GALAXY SURVEY

FIELD CENTER: 12^h50^m06.0^s 11°32'35" (B1950) 12^h52^m36.7^s 11°16'18" (J2000)

ℓ: 303.99 b: 74.14

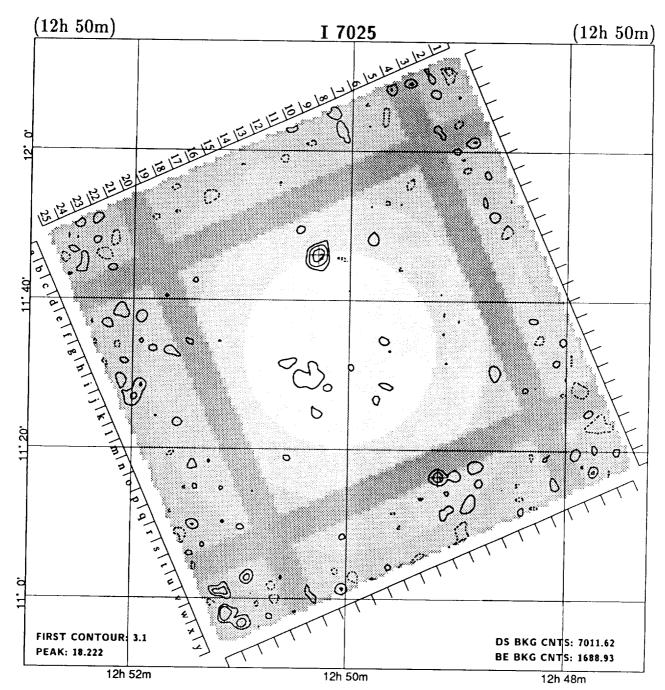
DATE: 1979/353 - 1979/353 LIVETIME: 6561.0s

ROLL ANGLE: -116.4°

NH: 2.2E+20 REF/ID:

FIELD FLAGS: C

CAT	FLD	RA	DEC	±	COUNT	±	NET	BKG	S/N	SIZE	RECO	R'	SRC I	ID
#	#	(1950)	(1950)	"	RATE		CTS	CTS		COR			FLG	
2878	1	12 50 05.3	12 01 57	54	0.0100	0.0028	22.8	19.2	3.5	1.3	0	29.2	н	
2881	2	12 50 20.4	11 45 36	41	0.0172	0.0024	68.5	21.5	7.2	1.0	0	13.7	AH	
2882	3	12 50 24.1	11 29 49	42	0.0067	0.0016	31.7	27.3	4.1	0.9	0	5.3	Н	



NGC 4754/4762, VIRGO CLUSTER GALAXY SURVEY

FIELD CENTER: 12^h50^m06.0° 11°32′35″ (B1950) 12^h52^m36.7^s 11°16′18" (J2000)

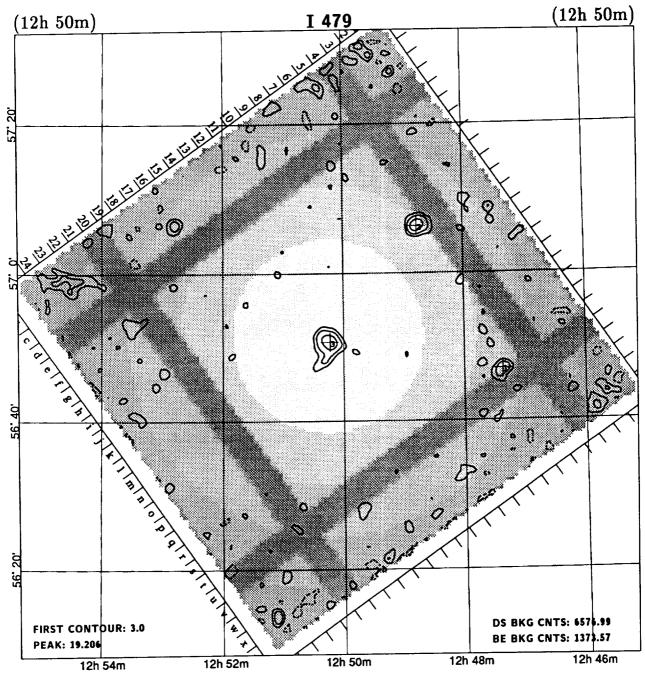
ℓ: 303.99 b: 74.14

LIVETIME: 5681.7s ROLL ANGLE: 66.0°

DATE: 1980/179 - 1980/179

NH: 2.2E+20 REF/ID: FIELD FLAGS: C

CAT	FLD	RA	DEC	±	COUNT	±	NET	BKG	S/N	SIZE	RECO	R'	SRC	ID
#	#	(1950)	(1950)	"	RATE		CTS	CTS		COR			FLG	
2873	1	12 49 10.0	11 16 20	56	*0.0071	0.0020	19.4	9.6	3.6	0.9	907	21.2	Н	
2881	2	12 50 17.7	11 46 03	41	0.0173	0.0025	61.1	18.9	6.8	1.0	0	13.8	АН	



3CR 277.1 (QSO 1250+568) QUASAR SURVEY

FIELD CENTER: 12^h50^m15.3^s 56°50'36" (B1950) 12^h52^m26.4^s 56°34'19" (J2000)

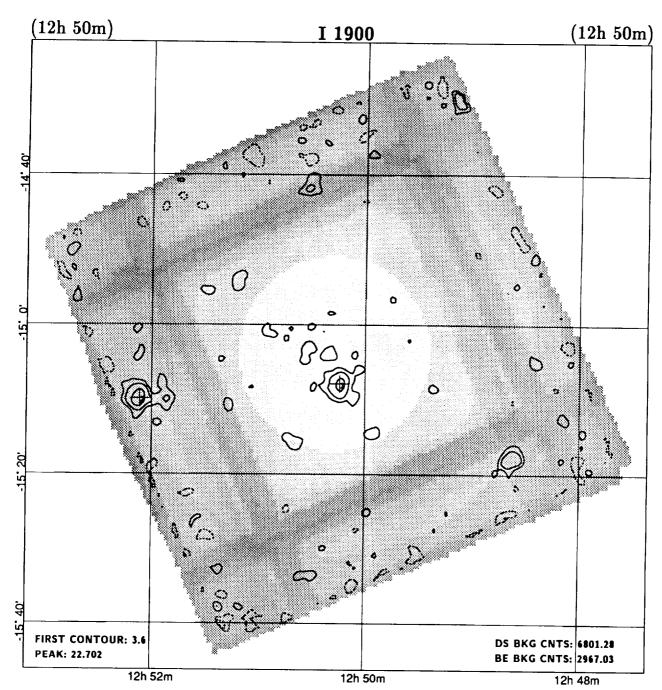
ℓ: 122.65 b: 60.56

DATE: 1980/158 - 1980/158 LIVETIME: 5329.5s

ROLL ANGLE: 54.9°

NH: 1.3E+20 REF/ID: FIELD FLAGS:

CAT FLD	RA (1950)	DEC (1950)	± "	COUNT RATE	Ŧ	NET CTS	BKG CTS	S/N	SIZE COR	RECO	R'	SRC FLG	ID
2869 1	12 47 22.1	<u> </u>	55	*0.0088	0.0024	20.9	12.1	3.6	0.8	806	23.7	Н	
2872 2 2879 3	12 48 46.1 12 50 13.5	57 06 14 56 50 40		*0.0186 0.0217	0.0028 0.0026	52.2 86.2	10.8 19.8	6.6 8.4	0.9 1.4	401 0	19.6 0.4	Н	Q



X-RAY STUDY OF RADIO GALAXIES: NGC4756

FIELD CENTER: 12^h50^m16.2^s -15°04'17" (B1950) 12^h52^m54.0^s -15°20'34" (J2000)

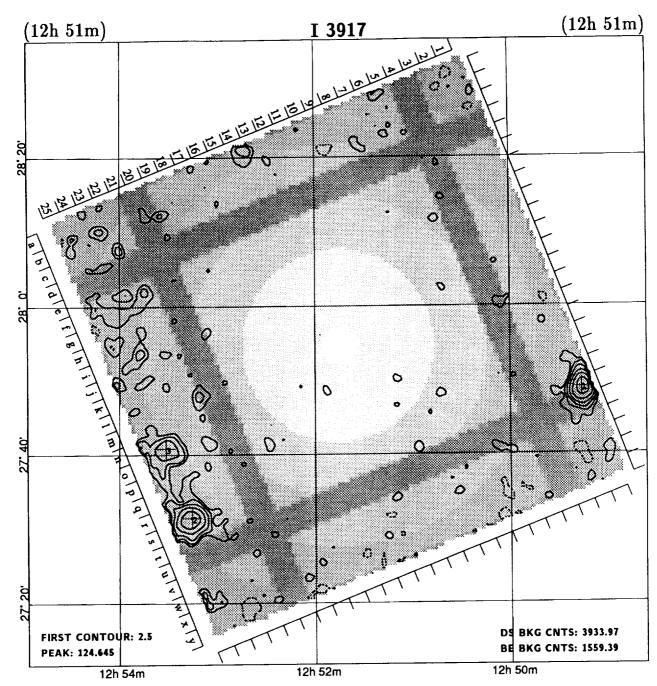
l: 303.45 *b*: 47.53

DATE: 1979/ 8 - 1980/204

LIVETIME: 5511.3s REF/ID: ! FIELD FLAGS: L

NH: 3.5E+20

CAT FLD RA DEC COUNT \pm NET BKG S/N SIZE RECO SRC # (1950)(1950) RATE CTS CTS COR FLG 2880 1L 12 50 14.3 -15 07 58 35 0.0128 0.0032 51.0 53.0 1.4 0 4.0 3.8 CLG 2888 2L 12 52 06.6 -15 09 58 51 0.0216 0.0046 47.4 24.6 4.6 1.6 27.3



3C 277.3 HALO

FIELD CENTER: 12^h51^m46.3^s 27°53'48" (B1950) 12^h54^m12.0^s 27°37'33" (J2000)

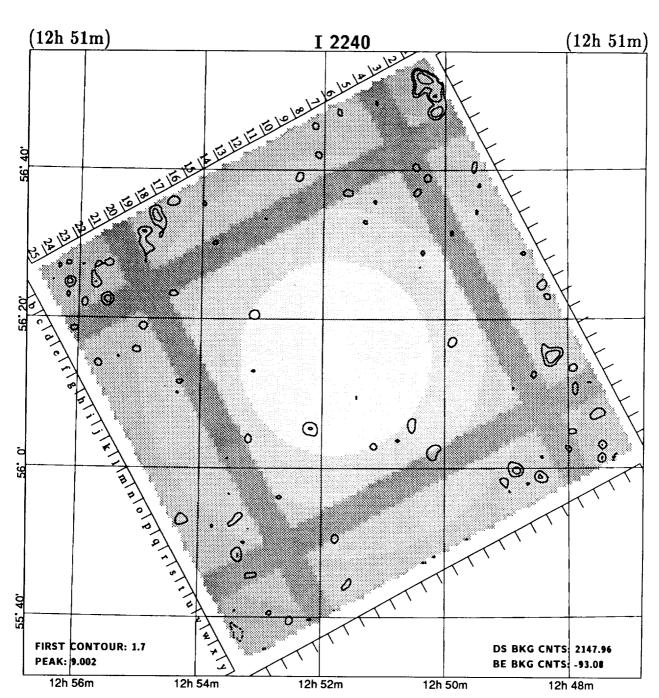
ℓ: 72.16 b: 89.21

DATE: 1979/183 - 1979/183 LIVETIME: 3187.8e

ROLL ANGLE: 68.4°

NH: 9.7E+19 REF/ID: FIELD FLAGS:

CAT #	FLD #	RA (1950)	DEC (1950)	± "	COUNT RATE	±	NET CTS	BKG CTS	S/N	SIZE COR	RECO	R'	SRC FLG	ID
2874		12 49 16.4	27 48 59	47	*0.237	0.016	218.3	6.7	14.6	1.3	1106	33.5	Н	
2896	2	12 53 15.8	27 31 29	48	0.150	0.012	163.3	8.7	12.5	2.1	0	29.8	н	
2899	3	12 53 31.7	27 40 49	50	0.0408	0.0062	51.2	9.8	6.6	9.0	0	26.0	Н	

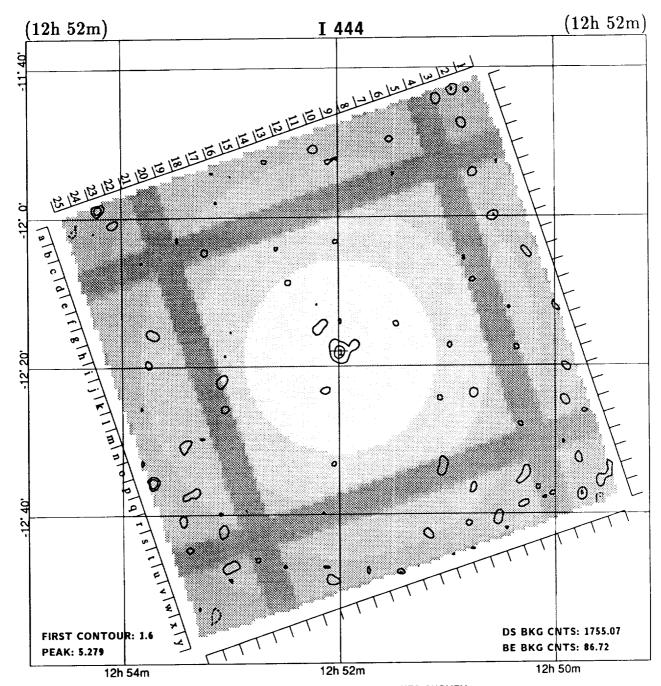


STELLAR SURVEY-EARLY TYPE STARS: HD112185=EPSILON UMA

FIELD CENTER: $12^h 51^m 48.0^s$ $56^{\circ} 13'59''$ (B1950) $12^h 53^m 59.0^s$ $55^{\circ} 57'44''$ (J2000) ℓ : 122.19 b: 61.16

DATE: 1979/166 - 1979/166 LIVETIME: 1740.56 ROLL ANGLE: 61.3°

NH: 1.3E+20 REF/ID: FIELD FLAGS:



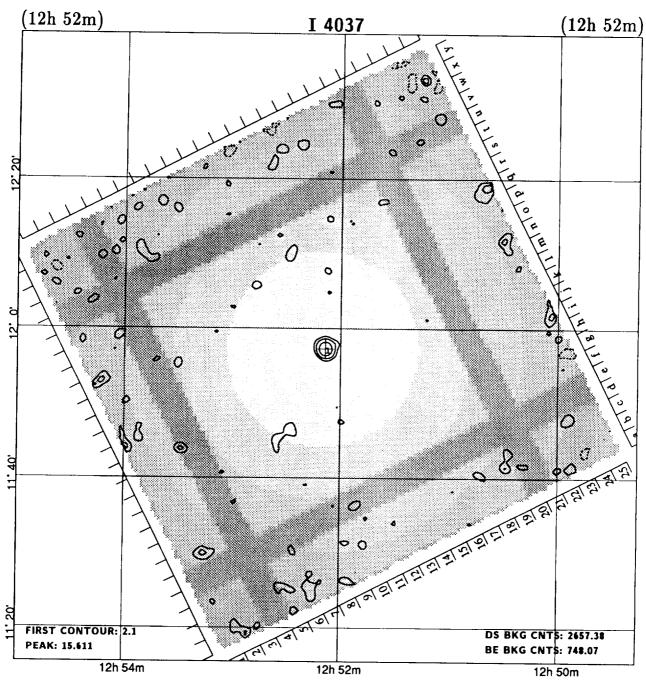
NGC 4782/83 ABNORMAL GALAXIES SURVEY

FIELD CENTER: 12^h52^m00.0^s -12°17'59" (B1950)

 $12^{h}54^{m}37.1^{s}$ -12°34′15″ (J2000) ℓ : 304.15 b: 50.29 DATE: 1979/178 - 1979/178

LIVETIME: 1422.2s ROLL ANGLE: 71.6° NH: 3.5E+20 REF/ID: FIELD FLAGS:

CAT	FLD	RA	DEC	±	COUNT	±	NET	BKG	S/N	SIZE	RECO	R'	SRC	ID
#	#	(1950)	(1950)	"	RATE		CTS	CTS		COR			FLG	
2887	1	12 52 00.1	-12 17 58	39	0.0170	0.0045	18.0	5.0	3.8	1.1	0	0.2	Н	



QUASAR 1252+119

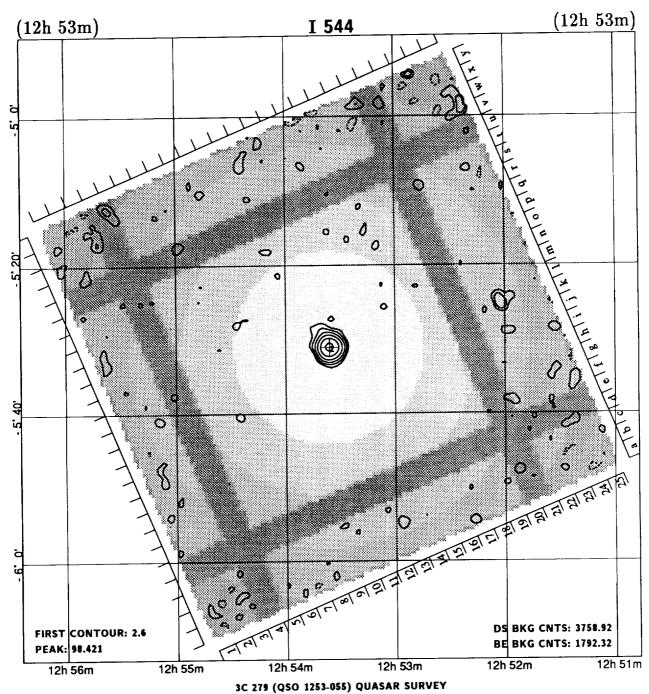
FIELD CENTER: 12^h52^m07.7^s 11°57'20" (B1950) 12^h54^m38.2^s 11°41'05" (J2000)

12"54"38.2" 11"41'05" (J20 *l*: 305.87 *b*: 74.54 DATE: 1979/352 - 1979/352 LIVETIME: 2153.4s

ROLL ANGLE: -116.9°

NH: 2.3E+20 REF/ID: FIELD FLAGS:

CAT	FLD	RA	DEC	±	COUNT	±	NET	BKG	S/N	SIZE	RECO	R'	SRC	ID
#	#	(1950)	(1950)	"	RATE		стѕ	CTS	, i	COR			FLG	
2889	1	12 52 08.5	11 57 17	35	0.0345	0.0050	55.4	8.6	6.9	0.9	0	0.4	Н	0



FIELD CENTER: 12h53m35.8' -05°31'07" (B1950)

12^h56^m11.1^s -05°47'21" (J2000) ℓ: 305.10 b: 57.06

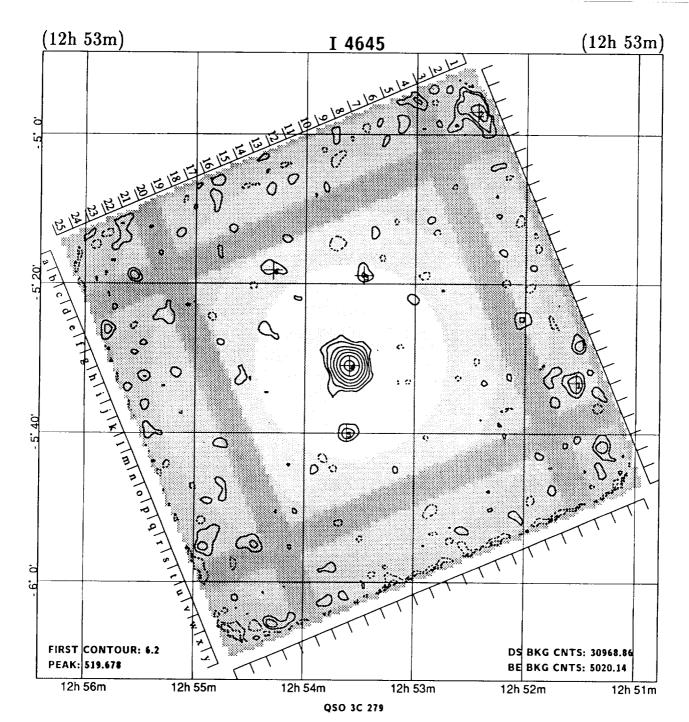
DATE: 1979/ 7 - 1979/ 7 LIVETIME: 3046.0s

ROLL ANGLE: -113.0°

NH: 2.1E+20 REF/ID:

FIELD FLAGS: CL

													45.6	
CAT	FLD	RA	DEC	±	COUNT	±	NET	BKG	S/N	SIZE	RECO	R'	SRC	ID
CA!	1 40	1					676	CTC		COR			FLG	
1 #	#	(1950)	(1950)	"	RATE		CIS	CTS		COR			1 2 3	
		10 50 00 0	OF 21 OF	21	0.192	0.010	414.7	34.3	17.3	1.2	0	0.1	l a	Q
2900	11	12 53 36.0	-05 31 05	31	0.182	0.010	414.7	34.5	17.5	*	•	V		

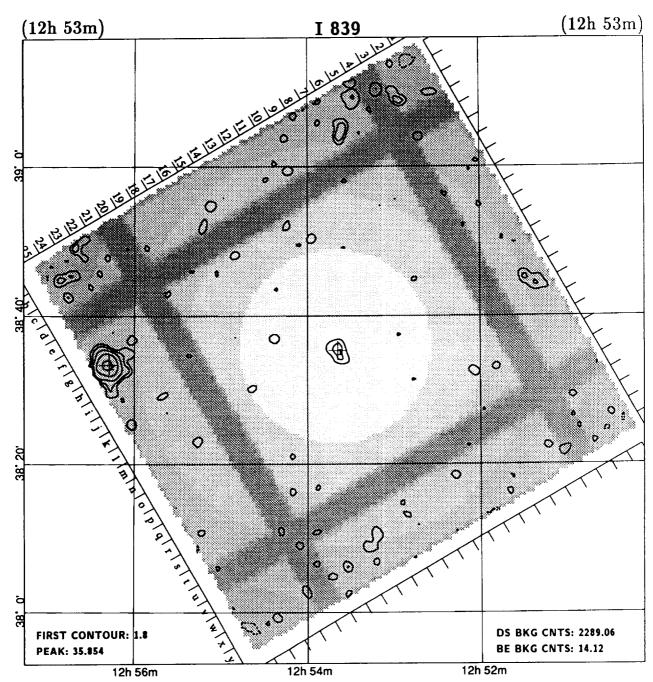


FIELD CENTER: $12^h53^m35.8^s$ -05°31′07″ (B1950) $12^h56^m11.1^s$ -05°47′21″ (J2000) ℓ : 305.10 b: 57.06

DATE: 1980/196 - 1980/204 LIVETIME: 25094.96 ROLL ANGLE: 67.2°

NH: 2.1E+20 REF/ID: FIELD FLAGS: C

CAT	FLD	RA	DEC	±	COUNT	±	NET	BKG	S/N	SIZE	RECO	R'	SRC	ID
#	#	(1950)	(1950)	"	RATE		CTS	CTS		COR			FLG	
2884	1	12 51 32.4	-05 33 13	59	0.0049	0.0012	42.4	59.6	4.2	1.0	0	30.9	Н	
2890	2	12 52 26.5	-04 56 58	59	0.0091	0.0018	52.3	49.7	5.2	1.9	700	38.2	н	
2898	3	12 53 28.1	-05 18 52	43	0.00236	0.00067	38.3	79.7	3.5	0.6	0	12.5	н	
2900	4	12 53 35.6	-05 31 00	31	0.1217	0.0026	2274.2	92.8	46.7	1.3	0	0.2	AH	Q
2901	5	12 53 36.9	-05 39 57	41	0.00376	0.00070	63.2	73.8	5.4	0.8	0	8.7		AGN
2906	6	12 54 17.7	-05 18 10	63	0.00265	0.00072	38.0	69.0	3.7	0.7	0	16.7	н	



HD112413 STELLAR OBSERVATIONS, A STARS

FIELD CENTER: 12h53m41.5 38°35'16" (B1950) 12h56m02.6s 38°19'03" (J2000)

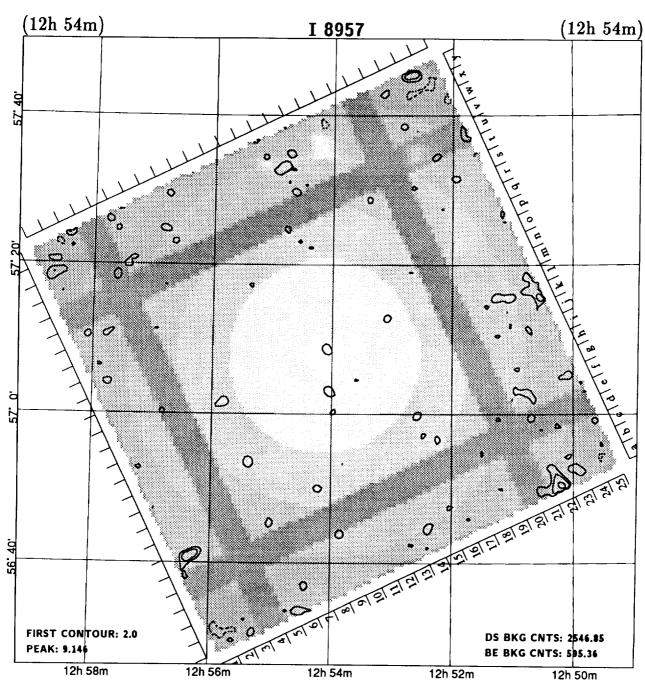
ℓ: 118.29 b: 78.77

DATE: 1979/167 - 1979/167 LIVETIME: 1854.9s

ROLL ANGLE: 60.0°

NH: 1.4E+20 REF/ID: FIELD FLAGS:

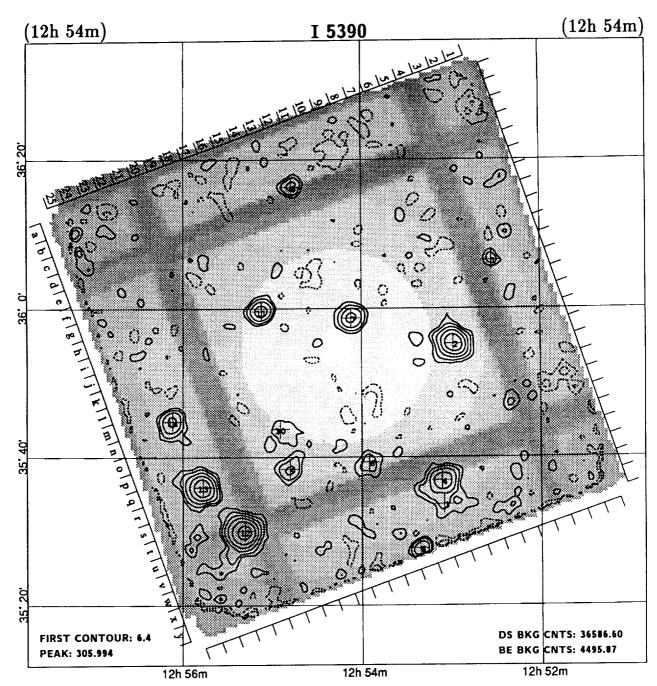
CAT	FLD	RA	DEC	±	COUNT	±	NET	BKG	S/N	SIZE	RECO	R'	SRC	D
#	#	(1950)	(1950)	"	RATE		CTS	CTS		COR			FLG	
2902	1	12 53 39.0	38 35 17	39	0.0156	0.0038	21.6	5.4	4.2	0.9	0	0.4	н	S
2927	2	12 56 17.4	38 33 24	50	0.105	0.013	65.6	3.4	7.9	1.5	100	30.6	Н	S



SEYFERT GALAXY SURVEY: MKN 231

FIELD CENTER: $12^h 54^m 04.8^s$ $57^o 08' 23''$ (B1950) $12^h 56^m 14.0^s$ $56^o 52' 10''$ (J2000) ℓ : 121.61 b: 60.25

1950) DATE: 1980/358 - 1980/358 2000) LIVETIME: 2063.8s ROLL ANGLE: -115.5° NH: 1.4E+20 REF/ID: FIELD FLAGS:



SURVEY OF DEEP BRACCESI FIELD

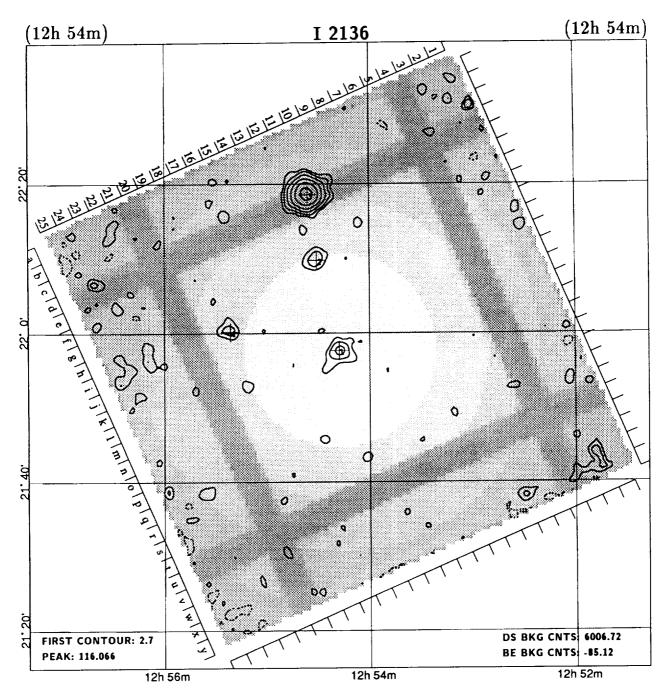
FIELD CENTER: $12^h 54^m 16.9^s 35^\circ 53' 59''$ (B1950) $12^h 56^m 39.1^s 35^\circ 37' 47''$ (J2000) ℓ : 115.81 b: 81.43 DATE: 1980/182 - 1980/185 LIVETIME: 30711.8s ROLL ANGLE: 70.4° NH: 1.3E+20 REF/ID: Q FIELD FLAGS:

CAT	FLD	RA	DEC	±	COUNT	±	NET	BKG	S/N	SIZE	RECO	R'	SRC	ID
#	#	(1950)	(1950)	"	RATE		стѕ	CTS		COR			FLG	
2891	1	12 52 32.5	36 06 27	56	*0.00256	0.00071	35.1	59.9	3.6	0.7	805	24.5	Н	
2893	2	12 52 58.5	35 55 19	47	0.0383	0.0015	680.1	77.9	24.7	1.2	0	15.9	н	
2894	3	12 53 04.9	35 33 37	56	0.00298	0.00080	38.4	66.6	3.7	8.6	0	25.0	н	
2895	4	12 53 06.2	35 36 51	48	*0.0180	0.0012	256.5	43.5	14.8	1.7	805	22.1	н	
2897	5	12 53 20.9	35 27 40	50	*0.0108	0.0014	96.4	64.6	7.6	0.9	704	28.9	EH	
2903	6	12 53 55.0	35 39 20	50	*0.00393	0.00070	69.3	82.7	5.6	1.1	601	15.5	н	
2905	7	12 54 07.2	35 58 42	38	0.01287	0.00089	285.0	103.0	14.5	1.1	0	5.1	Н	
2913	8	12 54 47.2	36 16 15	50	*0.00575	0.00082	83.9	59.1	7.0	0.9	905	23.1	н	
2914	9	12 54 48.3	35 38 23	50	0.00599	0.00077	101.1	68.9	7.8	1.1	0	17.2	Н	
2916	10	12 54 54.7	35 43 47	46	0.00209	0.00059	39.6	83.4	3.6	1.2	0	12.7	н	

Source Table cont.

I 5390 cont.

647														
CAT	FLD	RA	DEC	±	COUNT	±	NET	BKG	S/N	SIZE	RECO	R'	SRC	ID
#	#	(1950)	(1950)		RATE		CTS	CTS	•	COR			FLG	
2918	11	12 55 07.4	35 59 37	38	0.01332	0.00095	266.0	95.0	14.0	1.0		11.8	Н	
2920	12	12 55 18.3	35 29 56	47	*0.0587	0.0023	693.8	39.2	25.6	1.5	1609	27.1	^	c
2923	13	12 55 46.6	35 35 57	47	0.0400	0.0019	504.5	61.5		1.3	0	25.6	AH	3
2924	14	12 56 06.8	35 44 51	48	0.0127	0.0011	171.4	67.6		1.2	0			
							1 1.7	07.0	41.1	1.2	U	24.0	AH	



X-RAY SURVEY OF NORMAL GALAXIES: NGC4826=M64

FIELD CENTER: 12^h54^m18.0^s 21°56'59" (B1950) 12h56m45.3s 21°40'47" (J2000)

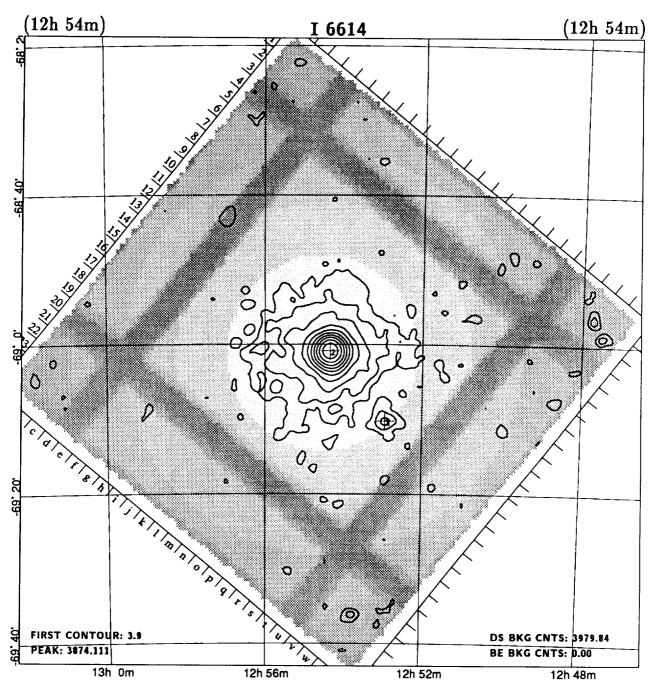
ℓ: 315.74 b: 84.42

DATE: 1979/181 - 1980/181 LIVETIME: 4867.4s

ROLL ANGLE: 66.4°

NH: 2.6E+20 REF/ID: FIELD FLAGS:

CAT #	FLD #	RA (1950)	DEC (1950)	± "	COUNT RATE	±	NET CTS	BKG CTS	S/N	SIZE COR	RECO	R'	SRC FLG	ID
2907	1	12 54 17.8	21 57 41	35	0.0146	0.0023	53.2	14.8	6.5	1.2	0	0.8	н	
2910	2	12 54 30.9	22 09 49	42	0.0102	0.0022	31.2	12.8	4.7	0.9	0	13.3	н	
2912	3	12 54 36.1	22 18 34	47	*0.1470	0.0079	349.7	7.3	18.5	1.5	1409	21.9	AH	S
2921	4	12 55 21.5	22 00 09	55	0.0084	0.0021	24.1	10.9	4.1	0.8	0	15.3	н	



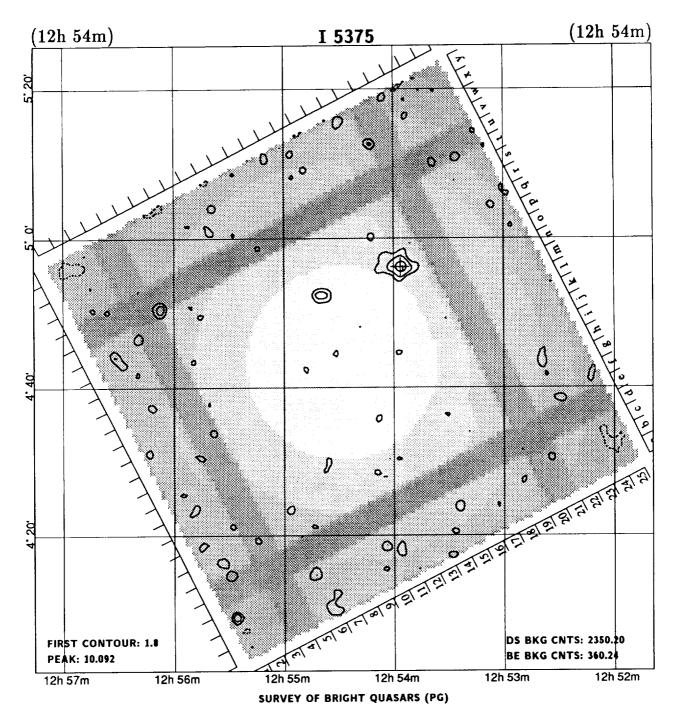
2S 1254-690, INTERSTELLAR GRAIN HALOES

FIELD CENTER: $12^h 54^m 20.0^s$ $-69^o 01'02''$ (B1950) $12^h 57^m 36.2^s$ $-69^o 17'15''$ (J2000) ℓ : 303.48 δ : -6.42

DATE: 1980/237 - 1980/237 LIVETIME: 3225.06 ROLL ANGLE: 39.0°

NH: 1.5E+21 REF/ID: FIELD FLAGS: L

CAT	FLD	RA	DEC	±	COUNT	±	NET	BKG	S/N	SIZE	RECO	R'	SRC	ID
#	#	(1950)	(1950)	"	RATE		CTS	CTS	-	COR			FLG	
2892	1L	12 52 56.5	-69 10 12	41	0.0210	0.0049	43.0	26.0	4.2	1.4	0	11.8		
2908	2L	12 54 20.7	-69 00 54	31	6.195	0.059	14876.9	1131.1	104.7	1.4	0	0.2		



FIELD CENTER: 12^h54^m27.4^s 04°43'48" (B1950) 12^h56^m59.8^s 04°27'36" (J2000)

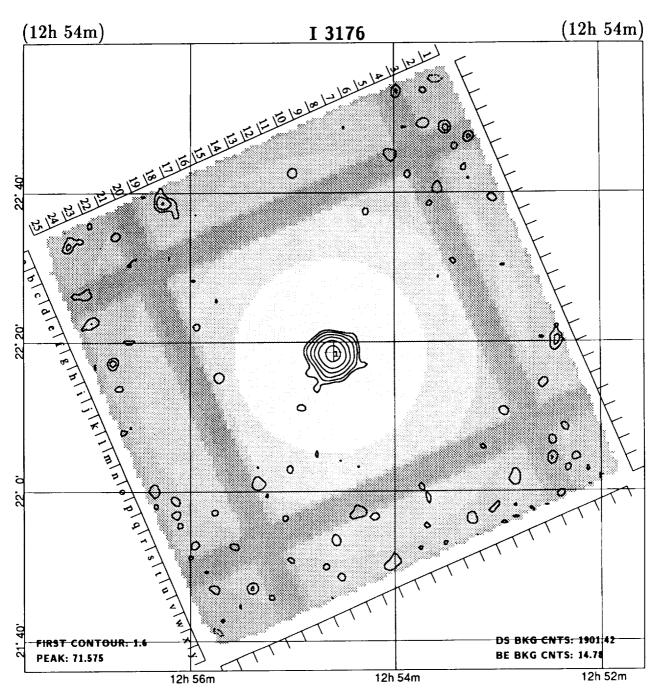
ℓ: 306.52 b: 67.29

DATE: 1980/346 - 1980/346 LIVETIME: 1904.5s

ROLL ANGLE: -117.0°

NH: 2.1E+20 REF/ID: FIELD FLAGS:

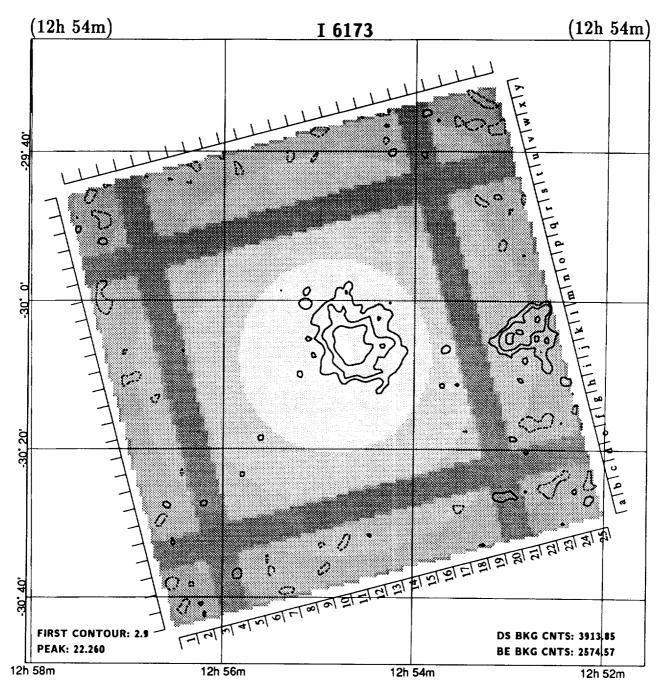
CAT	FLD	RA (1950)	DEC (1950)	± "	COUNT RATE	±	NET CTS	BKG CTS	S/N	SIZE	RECO	R'	SRC FLG	ID
#	#			42	0.0265	0.0053	29.8	5.2	5.0	1.3	0	14.5	H	褝
2904	1	12 53 56.3	04 56 06	42	0.0205	0.0055	25.0	J.2	3.0	1.5		17.5		



EG187: NEW WHITE DWARF X-RAY SOURCES

FIELD CENTER: $12^h 54^m 36.0^s$ $22^o 17' 59''$ (B1950) $12^h 57^m 03.2^s$ $22^o 01' 47''$ (J2000) ℓ : 317.29 b: 84.74 DATE: 1979/181 - 1979/181 LIVETIME: 1540.8s ROLL ANGLE: 66.6° NH: 2.4E+20 REF/ID: FIELD FLAGS:

CAT	FLD	RA	DEC	±	COUNT	±	NET	BKG	S/N	SIZE	RECO	R'	SRC	ID
#	#	(1950)	(1950)	"	RATE		CTS	CTS		COR			FLG	
2912	1	12 54 35.7	22 18 39	31	0.308	0.016	354.3	4.7	18.7	2.1	0	0.4	AH	S



1255-3012, SURVEY OF SOUTHERN CLUSTERS

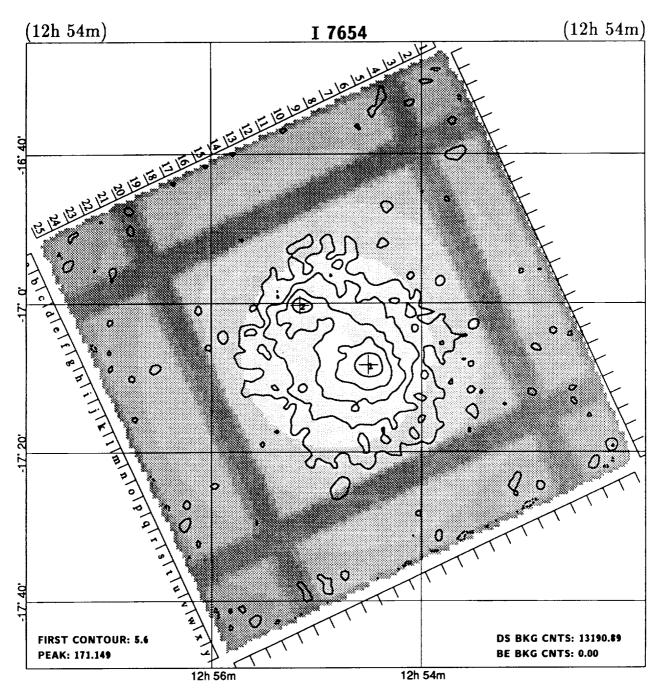
FIELD CENTER: 12^h54^m48.0^s -30°06′57" (B1950) 12^h57^m31.2^s -30°23′09" (J2000)

ℓ: 304.49 *b*: 32.47

DATE: 1980/360 - 1980/360 LIVETIME: 3171.5s

ROLL ANGLE: -104.7°

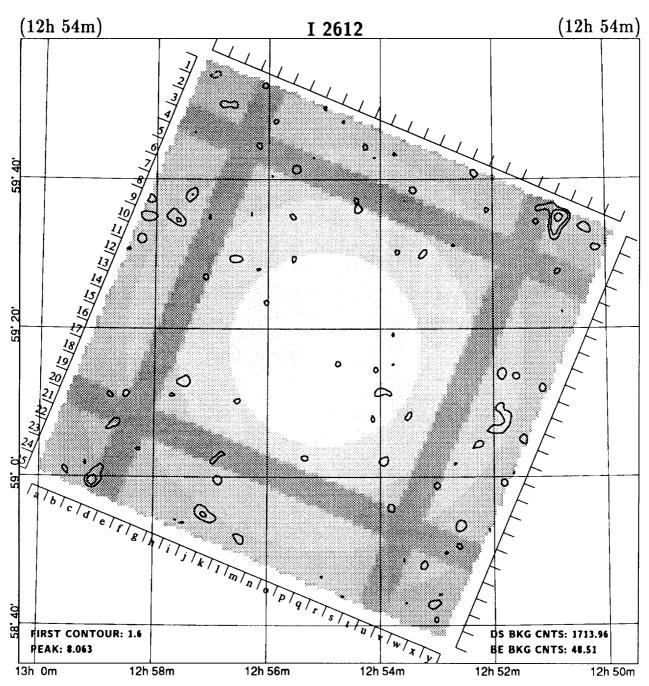
NH: 6.2E+20 REF/ID: FIELD FLAGS: LS



ABELL 1644, CLUSTERS OF GALAXIES W/UNUSUAL OPTICAL MORPHOLOGY

FIELD CENTER: $12^h 54^m 49.4^s -17^\circ 07'01''$ (B1950) $12^h 57^m 28.2^s -17^\circ 23'14''$ (J2000) ℓ : 304.98 b: 45.46 DATE: 1980/203 - 1980/204 LIVETIME: 10689.0s ROLL ANGLE: 64.9° NH: 4.7E+20 REF/ID: FIELD FLAGS: L

CAT	FLD	RA	DEC	Ŧ	COUNT	±	NET	BKG	S/N	SIZE	RECO	R'	SRC	ID
#	#	(1950)	(1950)	"	RATE		CTS	CTS		COR			FLG	
2909	1L	12 54 30.3	-17 08 21	31	0.0624	0.0048	478.4	425.6	12.9	9.9	0	4.9		
2919	2L	12 55 09.3	-17 00 16	38	0.0214	0.0030	157.1	164.9	7.0	27.7	0	8.1		



SEYFERT GALAXY SURVEY: MKN 231

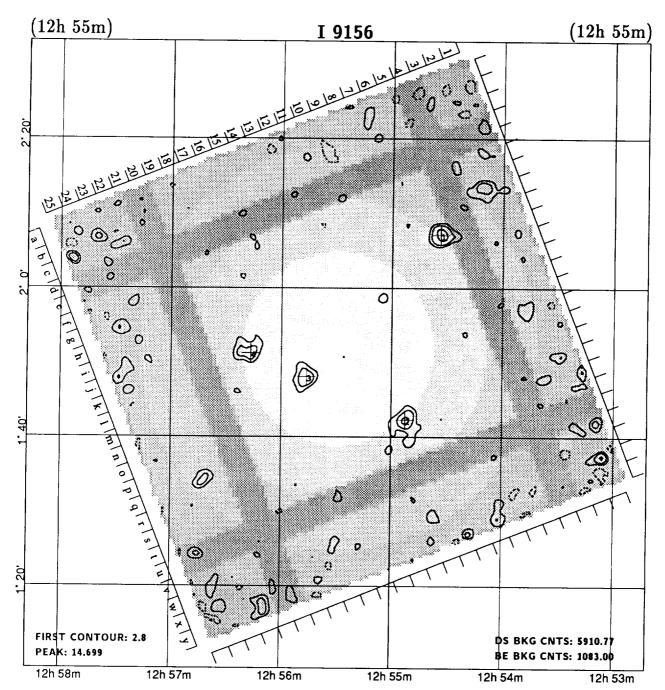
FIELD CENTER: 12^h54^m54.0^s 59°16′59" (B1950) 12^h57^m00.7^s 59°00′47" (J2000)

ℓ: 121.57 *b*: 58.10

DATE: 1979/119 - 1979/119 LIVETIME: 1388.9s

ROLL ANGLE: 22.5°

NH: 1.4E+20 REF/ID: FIELD FLAGS:

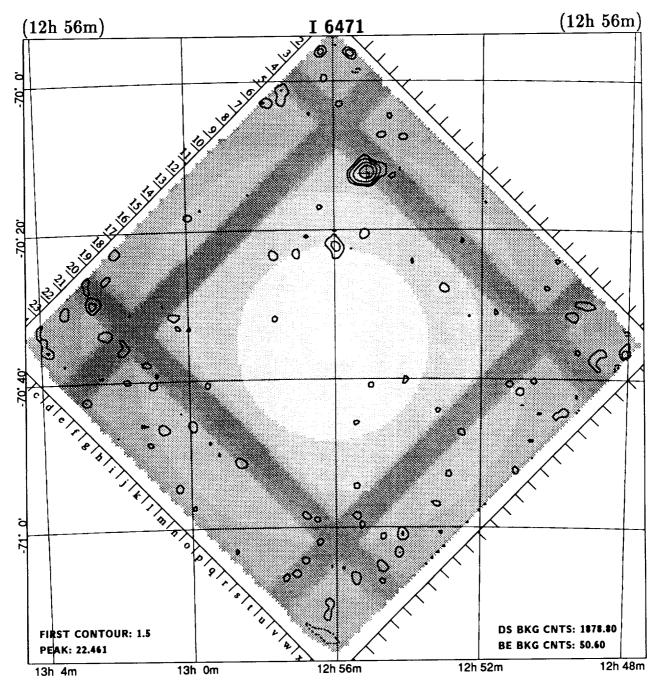


EMISSION BY Sa GALAXIES: NGC 4845

FIELD CENTER: $12^h55^m30.0^s$ $01^o50'59''$ (B1950) $12^h58^m03.2^s$ $01^o34'48''$ (J2000) ℓ : 306.76 b: 64.40

DATE: 1980/198 - 1980/198 LIVETIME: 4789.76 ROLL ANGLE: 68.5° NH: 1.7E+20 REF/ID: FIELD FLAGS:

CAT	FLD	RA	DEC	±	COUNT	±	NET	BKG	S/N	SIZE	RECO	R'	SRC	ID
#	#	(1950)	(1950)	"	RATE		CTS	CTS	·	COR			FLG	
2911	1	12 54 33.8	02 07 03	51	*0.0195	0.0032	46.9	11.1	6.2	1.1	602	21.6	Н	
2915	2	12 54 52.5	01 42 16	41	0.0153	0.0026	45.6	16.4	5.8	1.2	0	12.7	н	
2922	3	12 55 46.2	01 48 07	42	0.0128	0.0023	43.4	16.6	5.6	1.0	0	5.1	н	
2926	4	12 56 16.7	01 51 15	42	0.0109	0.0023	33.4	14.6	4.8	1.3	0	12.4	н	



NGC 4833,GLOBULAR CLUSTER SURVEY

FIELD CENTER: 12^h56^m00.0^s -70°35′59" (B1950) 12^h59^m21.3^s -70°52'10" (J2000)

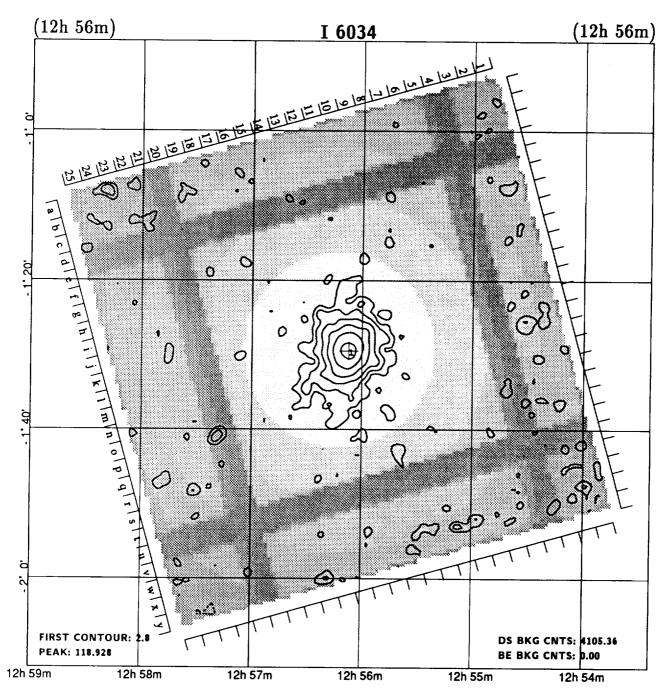
ℓ: 303.59 b: -8.01

DATE: 1980/238 - 1980/238 LIVETIME: 1522.4s

ROLL ANGLE: 45.4°

NH: 1.5E+21 REF/ID: FIELD FLAGS:

CAT	FLD	RA (1950)	DEC (1950)	* #	COUNT RATE	±	NET CTS	BKG CTS	S/N	SIZE	RECO	R'	SRC FLG	ID
2917	1	\	-70 12 30	50	*0.075	0.011	52.3	2.7	7.1	1.1	906	24.0	Н	



A1650, RICH CLUSTERS WITH DOMINANT GALAXIES

FIELD CENTER: 12^h56^m12.0^s -01°29'59" (B1950) 12^h58^m46.2^s -01°46'10" (J2000)

ℓ: 306.72 b: 61.05

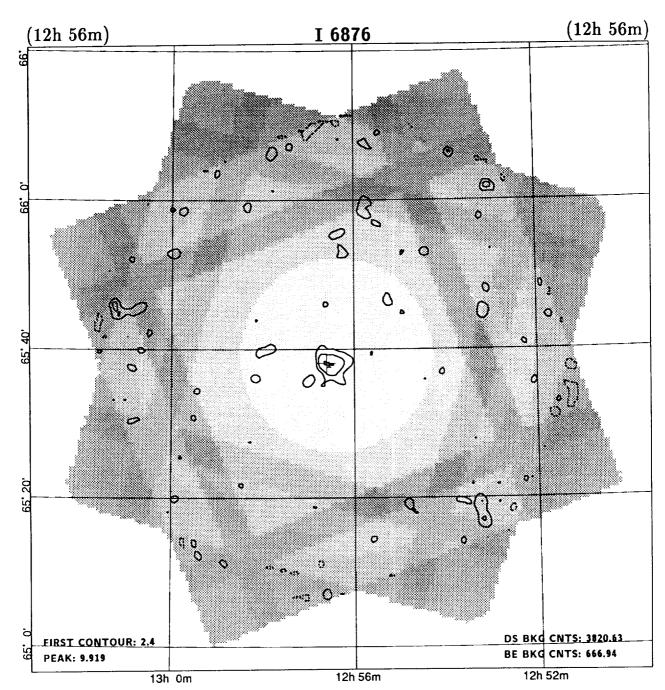
DATE: 1980/197 - 1980/197 LIVETIME: 3326.7e

ROLL ANGLE: 74.4°

REF/ID: FIELD FLAGS: L

NH: 1.5E+20

CAT	FLD	RA	DEC	±	COUNT	±	NET	BKG	S/N	SIZE	RECO	R'	SRC	ID
#	#	(1950)	(1950)	"	RATE		CTS	CTS		COR			FLG	
2925	1L	12 56 07.2	-01 29 22	31	0.126	0.012	310.3	294.7	10.2	3.4	0	1.3		



A1655,CLUSTER LUMINOSITIES @ Z=0.25.

FIELD CENTER: 12^h56^m18.0^s 65°38'59" (B1950) 12^h58^m15.4^s 65°22'48" (J2000)

ℓ: 121.79 b: 51.73

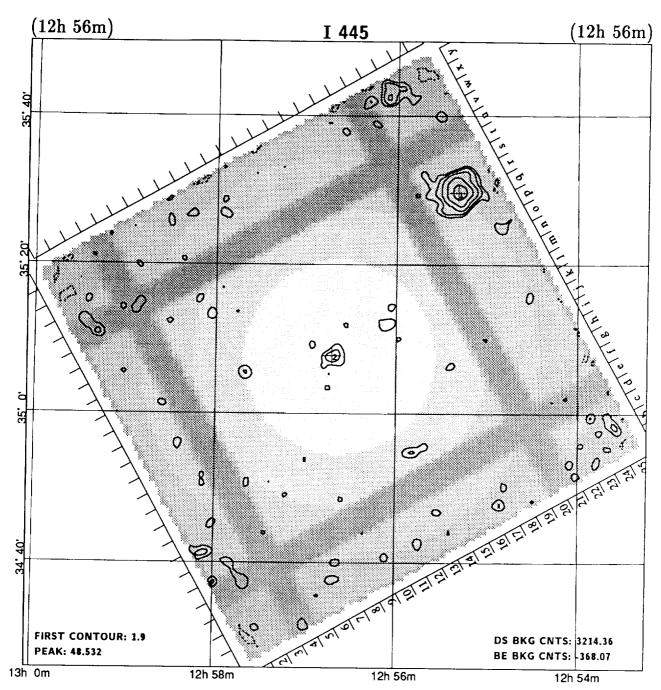
DATE: 1980/114 - 1980/357

LIVETIME: 3207.2s

NH: 1.9E+20 REF/ID:

FIELD FLAGS:

Γ	CAT	FLD	RA	DEC	±	COUNT	±	NET	BKG	S/N	SIZE	RECO	R'	SRC	ID
	#	#	(1950)	(1950)	"	RATE		CTS	CTS		COR			FLG	
۲	2928	1	12 56 36.5	65 38 08	35	0.0197	0.0032	46.7	11.3	6.1	1.6	0	2.1	Н	CLG

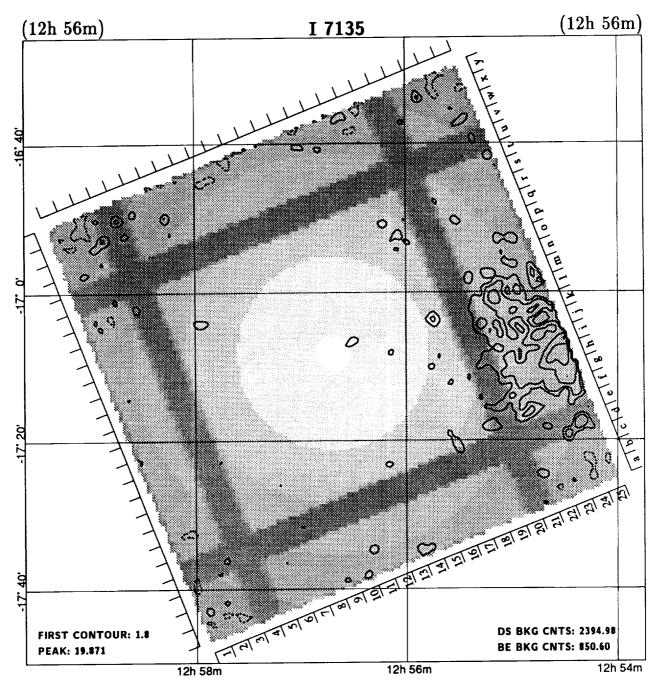


NGC 4861 ABNORMAL GALAXIES SURVEY

FIELD CENTER: $12^h 56^m 39.6^s$ $35^o 07' 53''$ (B1950) $12^h 59^m 01.6^s$ $34^o 51' 43''$ (J2000) ℓ : 111.54 b: **82.10**

DATE: 1978/352 - 1978/352 LIVETIME: 2604.76 ROLL ANGLE: -119.2° NH: 1.1E+20 REF/ID: FIELD FLAGS:

CAT #	FLD	RA (1950)	DEC	± "	COUNT	±	NET	BKG	S/N	SIZE	RECO	R'	SRC	ID
2920	1		(1950) 35 29 36	48	0.105	0.010	108.0	4.0	10.2	COR		27.4	FLG	
2929	2		35 07 48	37	0.0119	0.0028	23.0	6.0	10.2 4.3	0.9	0	27.4 0.4	AH H	S G



H1256-171, UNIDENTIFIED HEAO A2 SOURCE

FIELD CENTER: 12^h56^m40.8^s -17°07'47" (B1950) 12^h59^m19.7^s -17°23'58" (J2000)

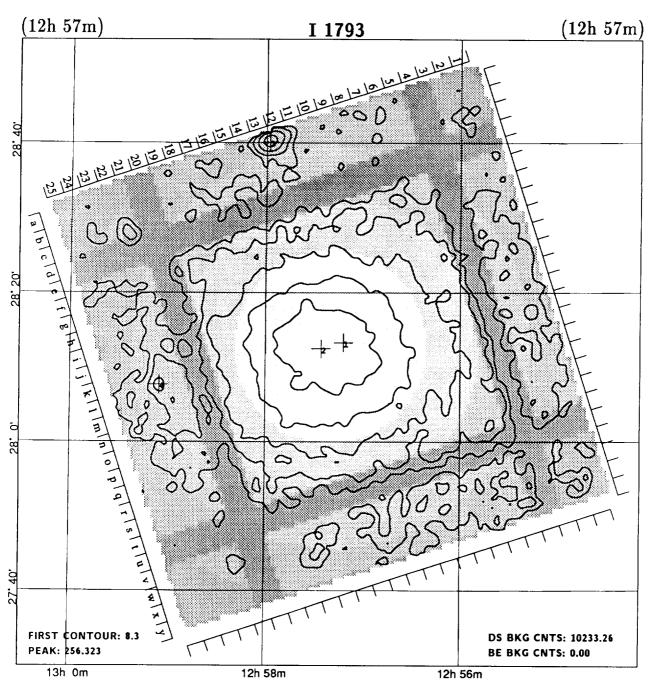
ℓ: 305.61 *b*: 45.43

DATE: 1980/ 1 - 1980/ 1 LIVETIME: 1940.8s

ROLL ANGLE: -111.5°

NH: 4.8E+20 REF/ID:

FIELD FLAGS: LS



A1656 (COMA): STUDY, CLUSTERS OF GALAXIES

FIELD CENTER: 12h57m20.8 28011'59" (B1950) 12^h 59^m 45.5^s 27°55′50" (J2000)

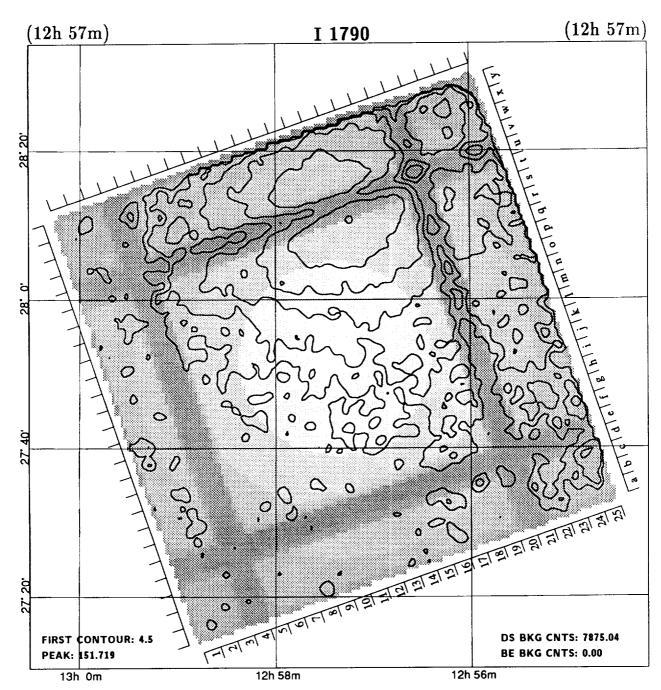
ℓ: 56.92 b: 87.99

DATE: 1979/191 - 1979/191 LIVETIME: 8292.3s

ROLL ANGLE: 72.0°

NH: 9.0E+19 REF/ID: FIELD FLAGS: L

CAT	FLD	RA	DEC	±	COUNT	±	NET	BKG	S/N	SIZE	RECO	R'	SRC	ID
#	#	(1950)	(1950)	"	RATE		стѕ	CTS		COR			FLG	
2931	1L	12 57 11.7	28 13 19	31	0.0352	0.0076	215.7	1040.3	4.6	46.5	0	2.4		CLG
2932	2L	12 57 25.5	28 12 31	31	0.0491	0.0079	301.3	1094.7	6.2	42.9	0	1.0		CLG
2935	3L	12 57 58.0	28 40 05	50	0.0441	0.0060	133.8	79.2	7.1	1.5	500	29.3	Α	Q
2944	4L	12 59 05.3	28 07 40	51	0.0161	0.0039	59.9	77.1	4.0	325.7	0	23.4		



A1656 (COMA): STUDY, CLUSTERS OF GALAXIES

FIELD CENTER: 12h57m21.0s 27°52'29" (B1950) 12^h59^m45.8^s 27°36′20″ (J2000)

ℓ: 47.89 b: 88.09

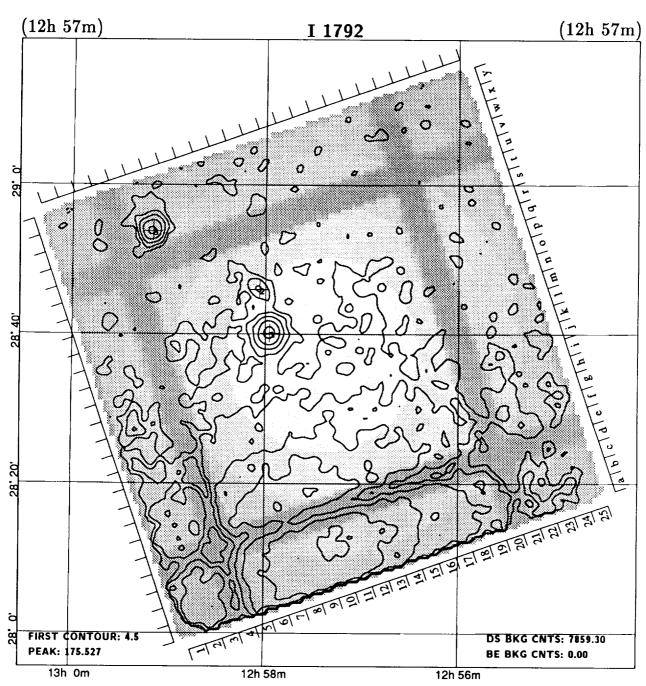
DATE: 1979/ 6 - 1979/ 6 LIVETIME: 6381.4s

ROLL ANGLE: -108.9°

NH: 9.0E+19

REF/ID:

FIELD FLAGS: LS



A1656 (COMA): STUDY, CLUSTERS OF GALAXIES

FIELD CENTER: 12h57m21.0s 28°37'29" (B1950) 12h59m45.6 28°21'20" (J2000)

ℓ: 67.10 b: 87.79

DATE: 1979/ 6 - 1979/ 6 LIVETIME: 6368.6s

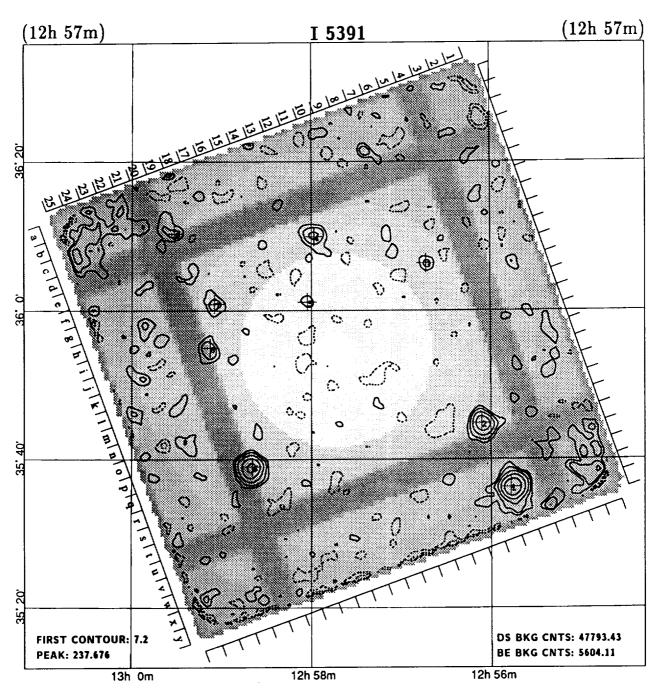
ROLL ANGLE: -108.9°

NH: 9.2E+19

REF/ID:

FIELD FLAGS: DLS

CAT	FLD	RA	DEC	±	COUNT	±	NET	BKG	S/N	SIZE	RECO	R'	SRC	ID
#	#	(1950)	(1950)	"	RATE		стѕ	CTS		COR			FLG	
2935	1L	12 57 57.4	28 40 08	38	0.0671	0.0055	294.2	119.8	12.1	81.0	0	8.5	Α	Q
2938	2L	12 58 03.7	28 46 01	41	0.0125	0.0029	50.7	42.3	4.2	404.1	0	12.8		Q
2946	3L	12 59 10.2	28 53 48	48	0.0613	0.0067	145.7	39.3	9.0	1.5	200	29.0	Α	cv



SURVEY OF DEEP BRACCESI FIELD

FIELD CENTER: 12^h57^m44.3^s 35°53′59" (B1950) 13^h00^m05.8^s 35°37′50" (J2000)

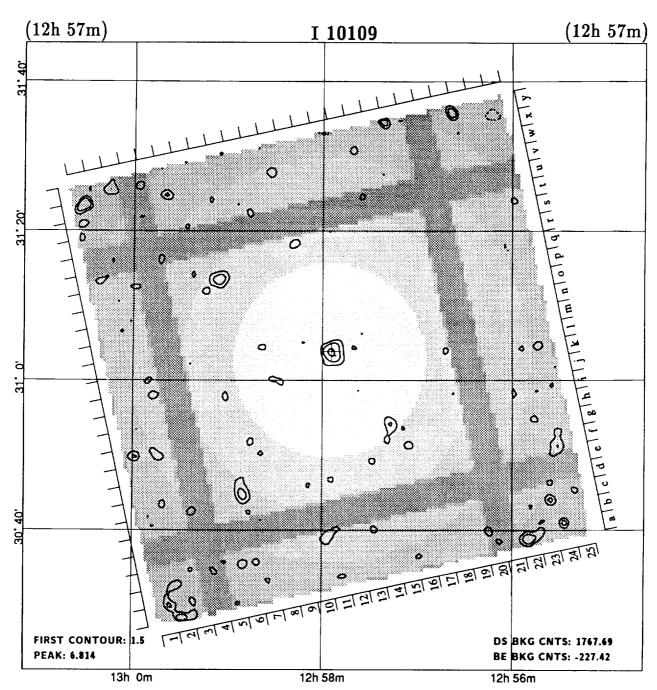
ℓ: 111.22 b: \$1.30

DATE: 1980/184 - 1980/187 LIVETIME: 40119.2s

ROLL ANGLE: 70.2°

NH: 1.2E+20 REF/ID: Q FIELD FLAGS:

CAT	FLD	RA	DEC	±	COUNT	±	NET	BKG	S/N	SIZE	RECO	R'	SRC	ID
#	#	(1950)	(1950)	"	RATE		CTS	CTS		COR			FLG	
2923	1	12 55 46.8	35 36 12	47	0.0330	0.0017	463.5	81.5	19.9	1.3	0	29.7	AH	
2924	2	12 56 06.2	35 44 55	47	0.01324	0.00097	255.1	90.9	13.7	1.2	300	21.8	AH	
2930	3	12 56 43.1	36 06 24	52	0.00228	0.00056	51.3	108.7	4.1	0.5	0	17.5		
2936	4	12 57 58.2	36 09 58	50	0.00475	0.00062	110.8	100.2	7.6	1.1	0	16.4		
2937	5	12 58 02.7	36 01 10	41	0.00179	0.00051	49.5	149.5	3.5	0.5	0	8.3		
2942	6	12 58 39.6	35 39 00	47	*0.0195	0.0011	406.3	79.7	18.4	1.2	905	18.9	AH	
2943	7	12 59 04.9	36 00 53	51	0.00252	0.00059	55.3	110.7	4.3	0.9	0	18.1	н	
2945	8	12 59 07.9	35 55 04	51	*0.00350	0.00057	78.3	85.7	6.1	1.0	905	17.2	AH	
2948	9	12 59 31.8	36 10 22	55	*0.00242	0.00066	38.6	71.4	3.7	1.5	1106	27.2	AH	

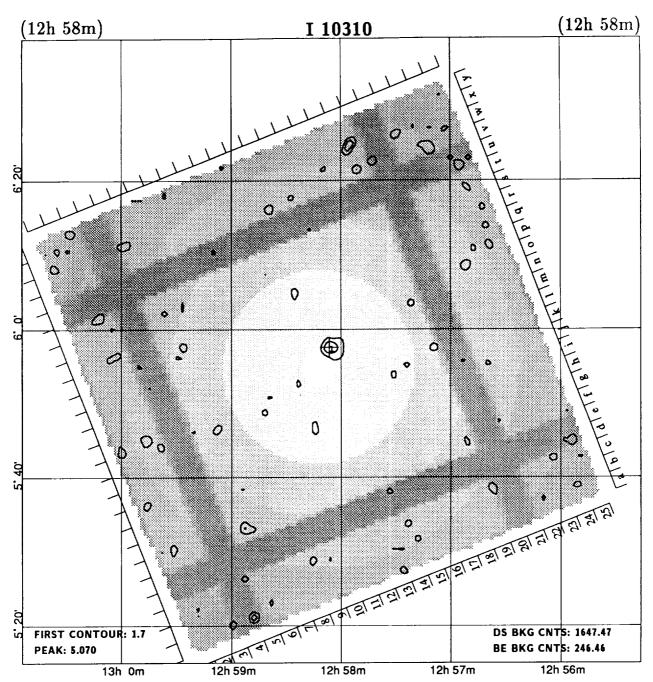


37 COM, HERTZSPRUNG GAP AND RELATED STARS

FIELD CENTER: $12^h 57^m 53.0^s 31^\circ 03'15''$ (B1950) $13^h 00^m 16.5^s 30^\circ 47'06''$ (J2000) ℓ : 95.60 ℓ : 85.86

DATE: 1981/ 16 - 1981/ 16 LIVETIME: 1432.4s ROLL ANGLE: -102.1° NH: 1.1E+20 REF/ID: FIELD FLAGS:

Γ	CAT	FLD	RA	DEC	±	COUNT	±	NET	BKG	S/N	SIZE	RECO	R'	SRC	ID
L	#	#	(1950)	(1950)	"	RATE		CTS	CTS		COR			FLG	
	2934	1	12 57 54.2	31 03 51	36	0.0240	0.0051	25.5	3.5	4.7	1.0	0	8.0	Н	



G 493.1, SOLAR NEIGHBORHOOD FLARE STARS

FIELD CENTER: 12^h58^m05.0^s 05°57′05" (B1950) 13^h00^m37.0^s 05°40′57" (J2000)

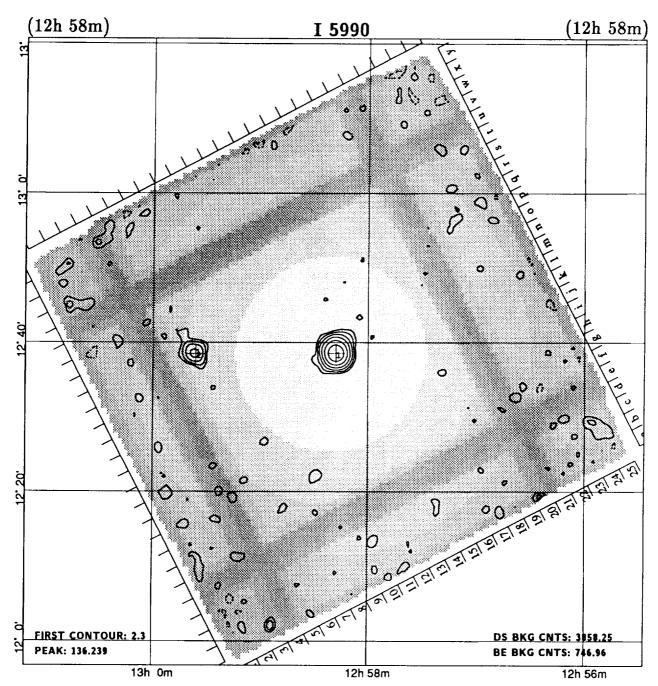
ℓ: 309.16 b: 68.44

DATE: 1980/347 - 1980/347 LIVETIME: 1335.0s

ROLL ANGLE: -111.3°

NH: 2.1E+20 REF/ID: FIELD FLAGS:

Г	CAT	FLD	RA	DEC	±	COUNT	±	NET	BKG	S/N	SIZE	RECO	R'	SRC	ID
ŀ	#	#	(1950)	(1950)	"	RATE		CTS	CTS		COR			FLG	
Г	2939	1	12 58 06.4	05 57 34	37	0.0182	0.0048	17.7	4.3	3.8	1.0	0	0.8	Н	S



Chromospherically Active Stars: 494 (M2e)

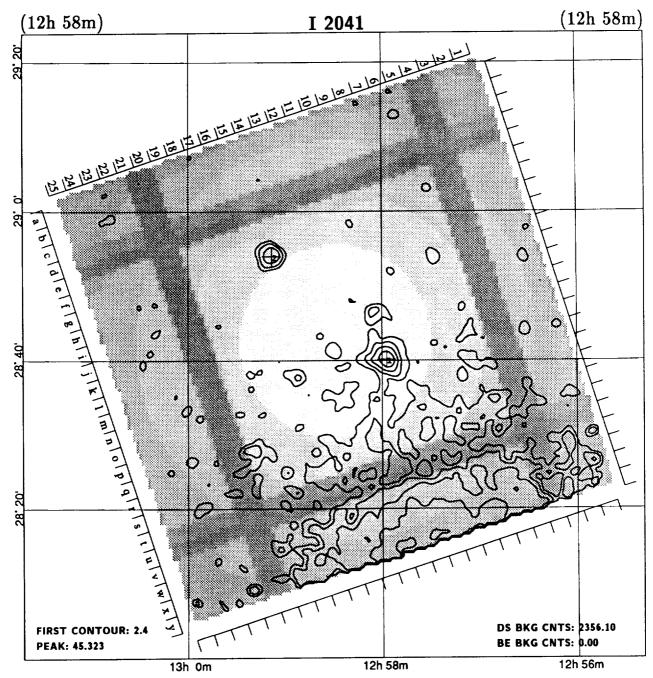
FIELD CENTER: $12^h58^m19.0^s$ $12^o38'41''$ (B1950) $13^h00^m48.9^s$ $12^o22'33''$ (J2000) ℓ : 311.86 b: 75.08

LIVETIME: 3126.5s ROLL ANGLE: -117.5°

DATE: 1979/352 - 1979/352

NH: 2.2E+20 REF/ID: FIELD FLAGS:

CAT	FLD	RA	DEC	±	COUNT	±	NET	BKG	S/N	SIZE	RECO	R'	SRC	ID
#	#	(1950)	(1950)	"	RATE		CTS	CTS		COR			FLG	
2940	1	12 58 17.9	12 38 34	31	0.256	0.011	597.9	12.1	24.2	1.3	0	0.2	Н	
2949	2	12 59 36.2	12 38 31	50	0.0412	0.0052	69.2	7.8	7.9	1.1	0	19.1	н	



X-RAY STUDY OF QUASARS: 2 5C'S + W61972

FIELD CENTER: 12h58m30.0s 28041'59" (B1950)

13h00m54.4s 28°25'51" (J2000)

LIVETIME: 1909.2s ℓ: 65.36 b: 87.53

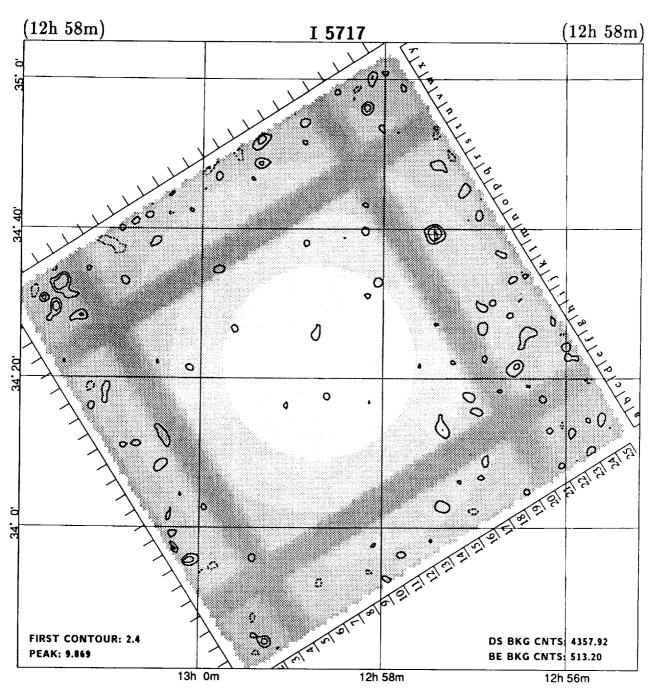
ROLL ANGLE: 71.9°

DATE: 1979/191 - 1979/191

NH: 9.2E+19 REF/ID:

FIELD FLAGS: LS

CAT	FLD	RA	DEC	±	COUNT	±	NET	BKG	S/N	SIZE	RECO	R'	SRC	ID
#	#	(1950)	(1950)	#	RATE		CTS	CTS		COR			FLG	
2935	11	12 57 57.1	28 40 11	38	0.078	0.010	103.5	34.5	7.4	32.9	0	7.5	Α	Q
2946	2L	12 59 08.2	28 54 00	41	0.0502	0.0082	57.7	10.3	6.0	1.1	0	14.8	Α	cv



MEDIUM DEPTH SURVEY: BSO 6

FIELD CENTER: 12^h58^m35.0^s 34°22′58" (B1950) 13^h00^m57.0^s 34°06′50" (J2000)

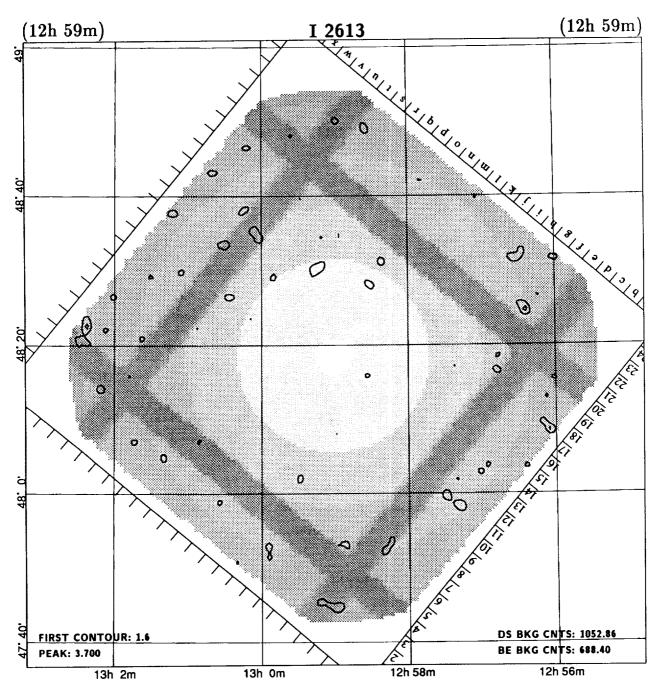
ℓ: 107.20 b: 82.72

DATE: 1979/348 - 1979/348 LIVETIME: 3531.4s

LIVETIME: 3531.4s REF/ID: ROLL ANGLE: -122.3° FIELD FLAGS:

NH: 1.1E+20

CAT	FLD	RA	DEC	±	COUNT	±	NET	BKG	S/N	SIZE	RECO	R'	SRC	ID
#	#	(1950)	(1950)	"	RATE		стѕ	CTS		COR			FLG	
2933	1	12 57 26.4	34 39 22	52	0.0138	0.0034	22.4	7.6	4.1	0.7	100	21.7	Н	



SEYFERT GALAXY SURVEY: MKN 236

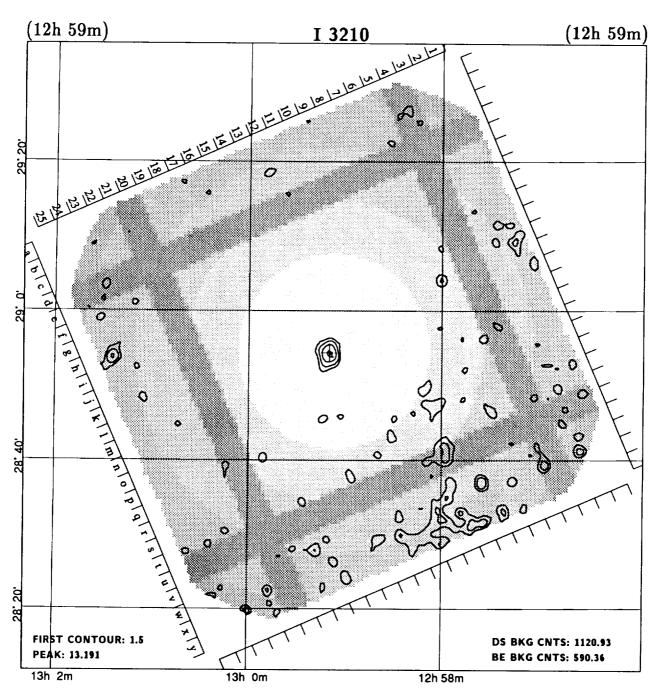
FIELD CENTER: 12h59m00.0 48°18'59" (B1950) 13h01m14.4 48°02'52" (J2000)

ℓ: 118.36 b: 68.99

DATE: 1979/325 - 1979/325 LIVETIME: 853.2s

ROLL ANGLE: -140.3°

NH: 1.1E+20 REF/ID: FIELD FLAGS:

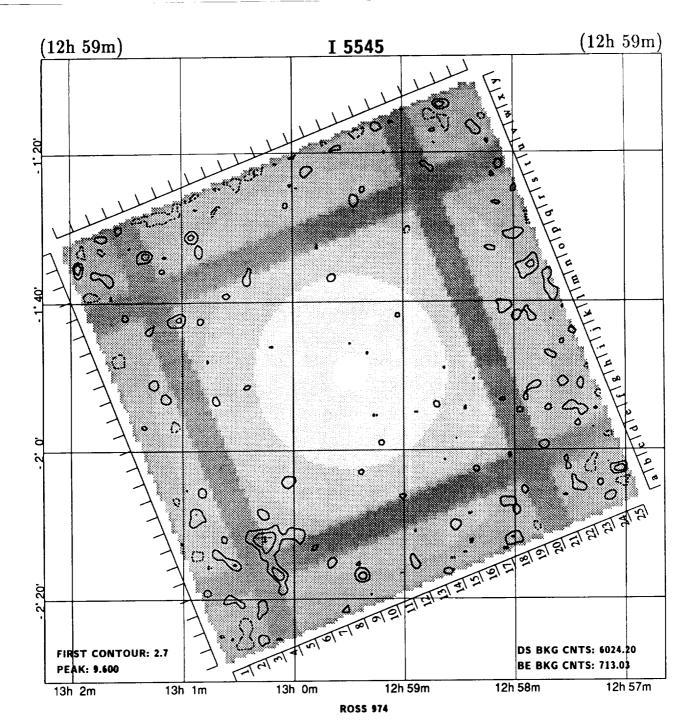


RS CVN SYSTEMS: UX COM

FIELD CENTER: $12^h 59^m 07.5^s$ $28^o 53'47''$ (B1950) $13^h 01^m 31.7^s$ $28^o 37'40''$ (J2000) ℓ : 67.44 δ : 87.31

DATE: 1979/181 - 1979/181 LIVETIME: 908.3s ROLL ANGLE: 66.6° NH: 9.3E+19 REF/ID: FIELD FLAGS: L

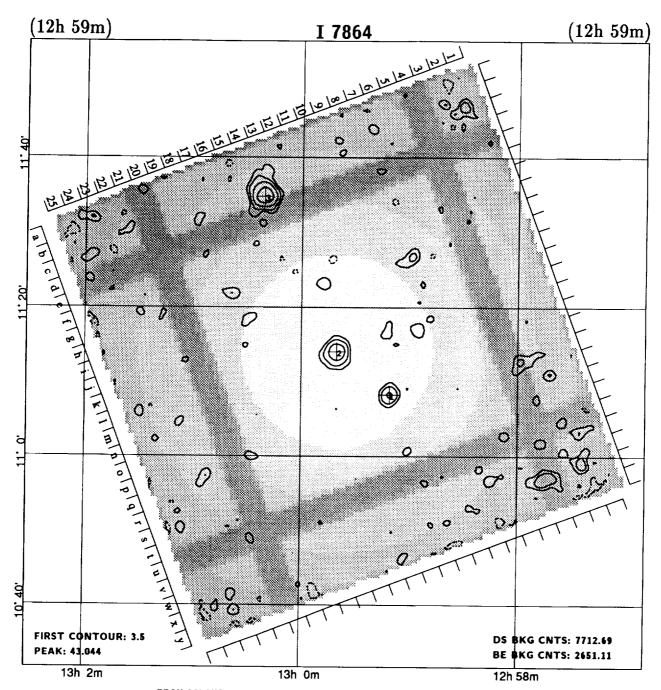
	CAT	FLD	RA	DEC	±	COUNT	±	NET	BKG	S/N	SIZE	RECO	R'	SRC	ID
	#	#	(1950)	(1950)	"	RATE		стѕ	CTS		COR			FLG	
ı	2946	1L	12 59 09.8	28 54 21	35	0.062	0.012	42.2	9.8	4.9	1.0	0	0.7	Α	CV



FIELD CENTER: 12^h59^m27.0^s -01°48'59" (B1950)

 $13^h02^m01.3^s$ -02°05′07″ (J2000) ℓ : 308.34 b: 60.68 DATE: 1980/ 19 - 1980/ 19 LIVETIME: 4881.66 ROLL ANGLE: -111.7° NH: 1.6E+20 REF/ID: FIELD FLAGS:

CAT #	FLD #	RA (1950)	DEC (1950)	± "	COUNT RATE	±	NET CTS	BKG CTS	S/N	SIZE COR	RECO	R'	SRC FLG	ID
2953	1	13 00 17.3	-02 11 41	55	*0.0111	0.0028	23.1	9.9	4.0	2.5	1105	26.4	Н	



EPSILON VIR, CORONAL ACTIVITY IN G STARS W/LARGE MASS LOSS

FIELD CENTER: 12^h59^m41.2^s 11°13'38" (B1950) 13^h02^m11.5^s 10°57'32" (J2000)

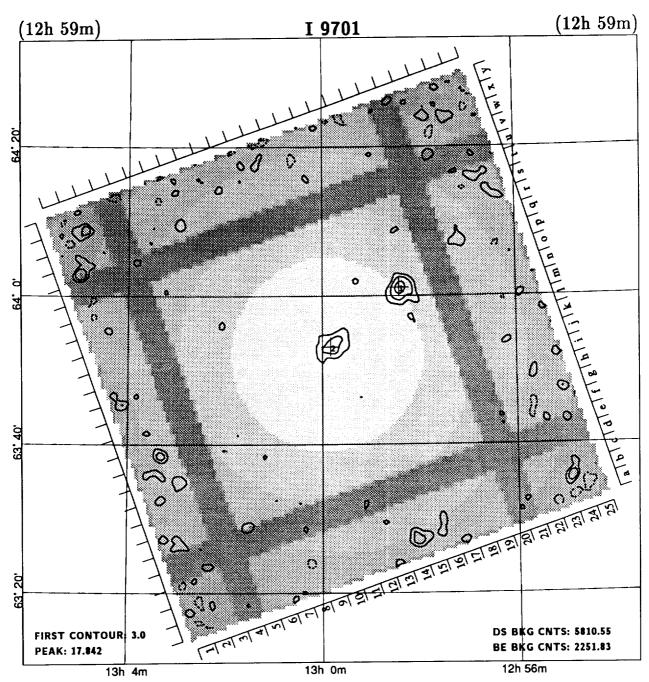
l: 312.34 b: 73.63

DATE: 1980/194 - 1980/194 LIVETIME: 6249.9a

ROLL ANGLE: 69.4°

NH: 2.0E+20 REF/ID: FIELD FLAGS: L

CAT	FLD	RA	DEC	±	COUNT	±	NET	BKG	S/N	SIZE	RECO	R'	SRC	ID
#	#_	(1950)	(1950)	"	RATE		CTS	CTS		COR			FLG	
2947	1L	12 59 10.8	11 08 09	41	0.0139	0.0026	58.6	25.4	5.3	0.9	0	9.2		
2950	2L	12 59 40.3	11 14 00	31	0.0208	0.0030	97.0	44.0	6.8	1.2	0	0.4		
2954	3L	13 00 21.0	11 34 45	48	*0.0459	0.0064	132.4	34.1	7.0	1.4	704	23.1		



FO-G5 STARS: HR 4934

FIELD CENTER: 12^h59^m50.0^s 63^o52'42" (B1950) 13^h01^m48.2^s 63^o36'35" (J2000)

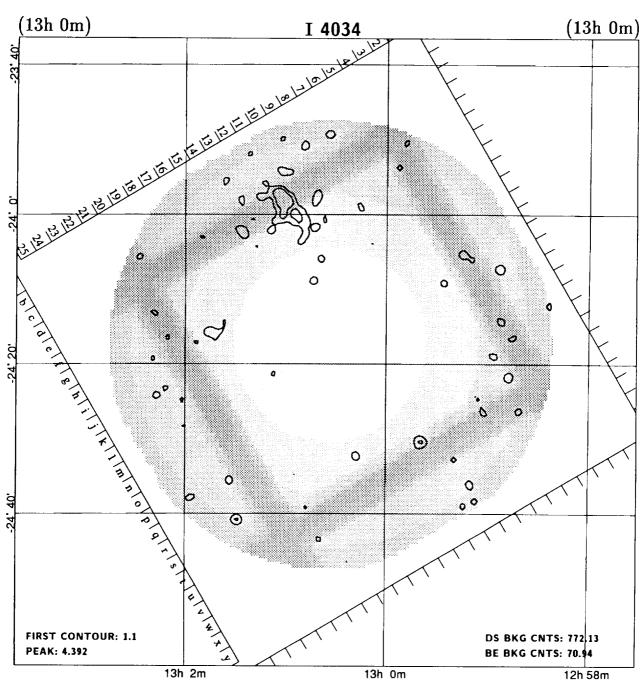
l: 121.00 b: 53.48

DATE: 1980/358 - 1980/359 LIVETIME: 4708.5s

ROLL ANGLE: -109.1°

NH: 1.7E+20 REF/ID: FIELD FLAGS:

CAT	FLD	RA	DEC	±	COUNT	±	NET	BKG	S/N	SIZE	RECO	R'	SRC	ID
#	#	(1950)	(1950)	"	RATE		CTS	CTS		COR			FLG	
2941	1	12 58 24.6	64 01 08	41	0.0181	0.0029	52.6	16.4	6.3	1.3	0	12.5	Н	
2952	2	12 59 49.9	63 53 10	36	0.0137	0.0024	47.9	21.1	5.8	1.4	0	0.4	Н	S



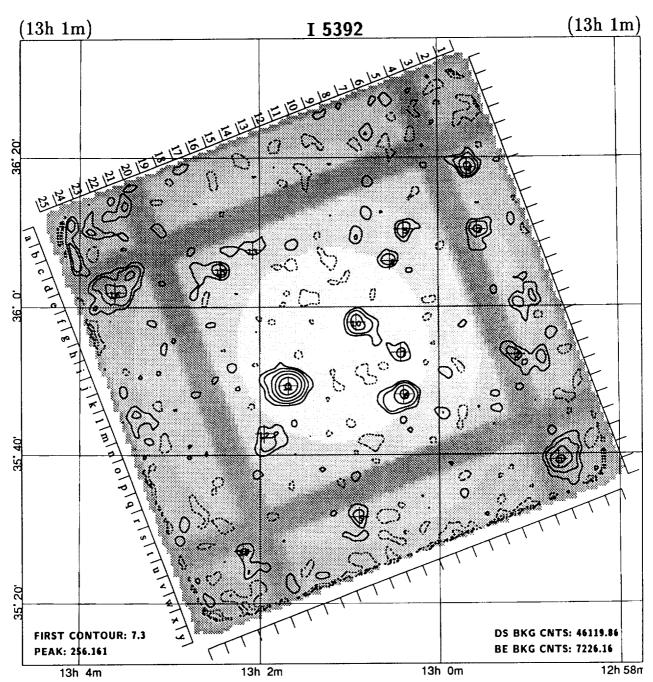
QUASAR Q 1300-243

FIELD CENTER: 13h00m36.0s -24°18'29" (B1950) 13^h03^m17.8^s -24°34′35″ (J2000)

ℓ: 306.36 b: 38.22

DATE: 1979/210 - 1979/210 LIVETIME: 625.7s ROLL ANGLE: 59.5°

NH: 8.6E+20 REF/ID: FIELD FLAGS:



SURVEY OF DEEP BRACCESI FIELD

FIELD CENTER: 13^h01^m11.7^s 35°53′59" (B1950) 13^h03^m32.5^s 35°37′54" (J2000)

ℓ: 106.81 b: \$1.11

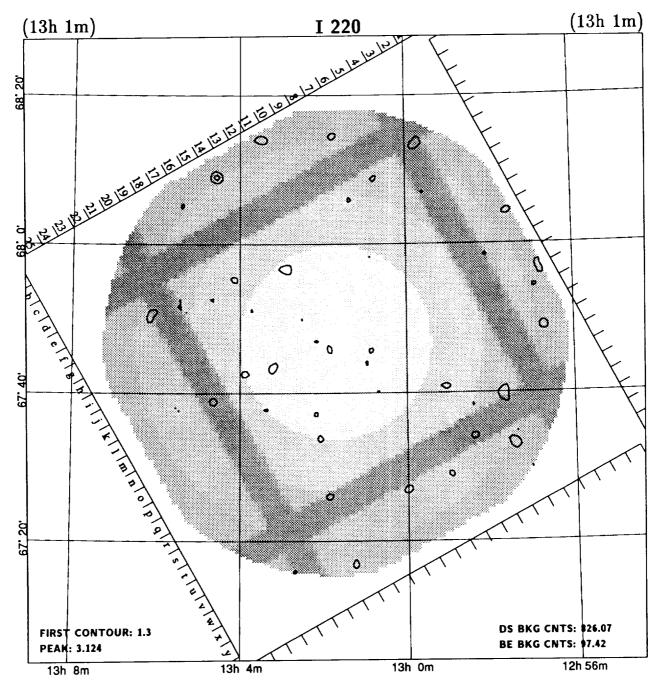
DATE: 1980/183 - 1980/186 LIVETIME: 38714.46 ROLL ANGLE: 69.2° NH: 1.1E+20 REF/ID: Q FIELD FLAGS:

CAT	FLD	RA	DEC	±	COUNT	±	NET	BKG	S/N	SIZE	RECO	R'	SRC	ID
#	#	(1950)	(1950)	"	RATE		стѕ	CTS		COR			FLG	
2942	1	12 58 40.8	35 39 16	50	*0.0103	0.0012	113.2	62.8	8.5	1.7	1008	34.2	AH	
2945	2	12 59 09.0	35 53 30	65	*0.00271	0.00064	45.9	71.1	4.2	1.9	1109	24.9	A	
2948	3	12 59 34.2	36 10 20	50	*0.00438	0.00077	72.9	93.1	5.7	1.1	804	25.6	A	
2951	4	12 59 40.5	36 18 37	48	0.0090	0.0011	121.9	88.1	8.4	1.0	300	30.7	н	
2955	5	13 00 23.4	36 10 23	51	0.00344	0.00063	71.7	100.3	5.5	0.8	0	19.1		
2956	6	13 00 23.8	35 48 14	38	0.01081	0.00080	270.6	126.4	13.6	1.4	0	11.3	Н	
2957	7	13 00 25.6	35 53 50	41	0.00247	0.00053	64.6	128.4	4.6	0.8	0	9.2	н	
2958	8	13 00 32.6	36 06 07	41	0.00320	0.00059	75.9	119.1	5.4	0.7	0	14.3	Н	
2959	9	13 00 53.8	35 31 42	61	*0.00295	0.00065	52.3	80.7	4.5	0.8	601	22.3	H	
2960	10	13 00 55.4	35 57 56	38	0.00658	0.00065	183.2	142.8	10.1	1.3	0	5.3	н	

Source Table cont.

I 5392 cont.

CAT	FLD	RA	DEC	±	COUNT	±	NET	BKG	S/N	SIZE	RECO	R'	SRC	ID
#	#	(1950)	(1950)		RATE		стѕ	CTS		COR			FLG	
2961	11	13 01 41.1	35 49 24	37	0.0382	0.0013	1013.9	128.1	30.0	1.3	0	7.4	Н	
2962	12	13 01 57.3	35 42 52	54	0.00202	0.00054	46.1	102.9	3.8	1.4	0	14.9	н	
2963	13	13 02 04.7	36 07 37	58	0.00192	0.00055	41.8	100.2	3.5	1.2	100	17.5	н	
2964	14	13 02 11.4	35 27 04	51	*0.00243	0.00066	32.4	44.6	3.7	1.7	1307	28.9	Н	
2965	15	13 02 26.4	36 04 54	50	0.00340	0.00063	70.6	99.4	5.4	1.3	0	18.9	н	
2969	16	13 03 36.8	36 01 57	55	0.00686	0.00096	91.1	69.9	7.2	3.2	500	29.3	Н	



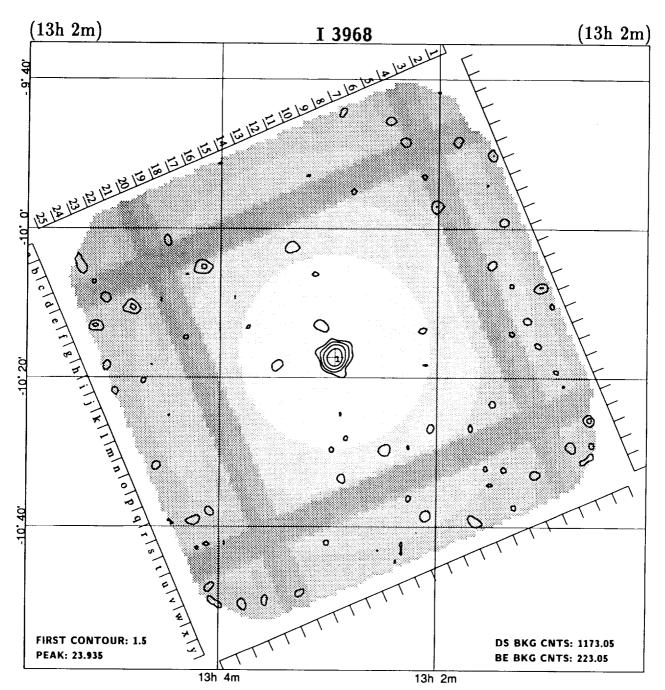
A 1674 CLUSTER EVOLUTION

FIELD CENTER: $13^h01^m42.0^s$ $67^o45'59''$ (B1950) $13^h03^m31.9^s$ $67^o29'54''$ (J2000) ℓ : 121.15 b: 49.59

LIVETIME: 669.4s ROLL ANGLE: 61.2°

DATE: 1979/166 - 1979/166

NH: 1.9E+20 REF/ID: FIELD FLAGS:



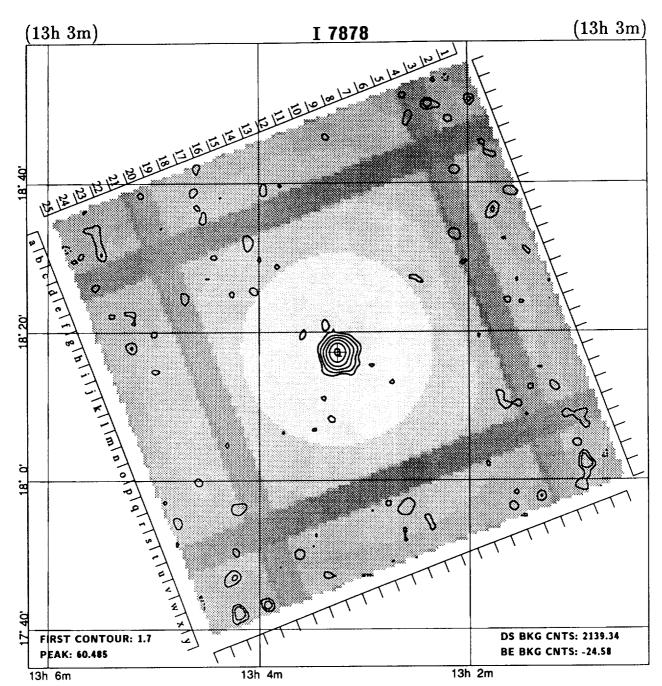
1302-102, BRIGHT NEARBY QUASAR

FIELD CENTER: $13^h02^m55.8^s$ $-10^\circ17'16''$ (B1950) $13^h05^m32.9^s$ $-10^\circ33'20''$ (J2000) ℓ : 308.59 b: 52.16

DATE: 1979/205 - 1979/206 LIVETIME: 950.6s ROLL ANGLE: 66.6°

NH: 3.3E+20 REF/ID: FIELD FLAGS:

CAT	FLD	RA	DEC	±	COUNT	±	NET	BKG	S/N	SIZE	RECO	R'	SRC	ID
#	#	(1950)	(1950)	"	RATE		CTS	CTS		COR			FLG	
2966	1	13 02 56.3	-10 17 17	31	0.136	0.014	96.5	3.5	9.6	1.2	0	0.2	Н	Q



GP COM, ORBITAL MODULATIONS IN CATACLYSMIC VARIABLES

FIELD CENTER: 13^h03^m15.0^s 18°16'59" (B1950) 13^h05^m42.6^s 18°00'57" (J2000)

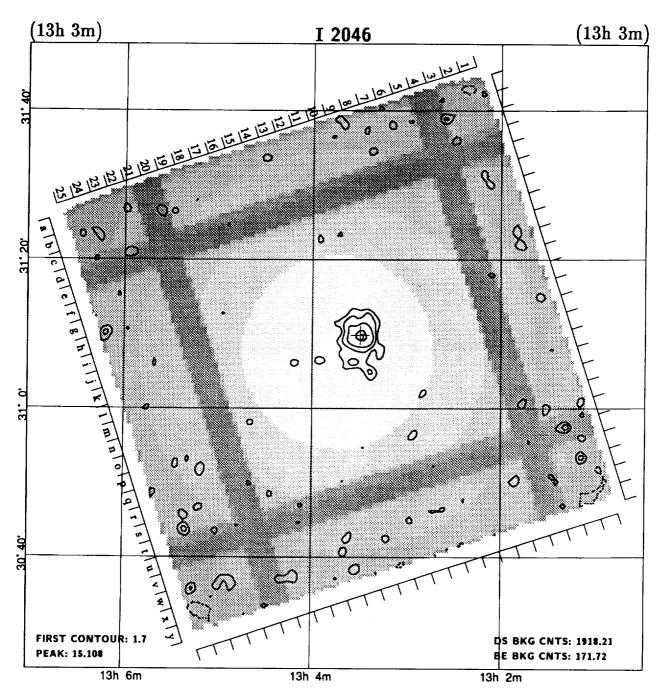
ℓ: 323.52 b: 80.31

DATE: 1980/190 - 1980/190 LIVETIME: 1733.6s

ROLL ANGLE: 69.0°

NH: 2.1E+20 REF/ID: FIELD FLAGS:

CAT	FLD	RA	DEC	±	COUNT	±	NET	BKG	S/N	SIZE	RECO	R'	SRC	ID
#	#	(1950)	(1950)	"	RATE		CTS	CTS		COR			FLG	
2967	1	13 03 15.3	18 17 17	31	0.189	0.012	244.0	5.0	15.5	1.3	0	0.4	Н	



X-RAY STUDY OF QUASARS: B264

FIELD CENTER: 13^h03^m45.1^s 31°07′00" (B1950) 13^h06^m07.6^s 30°50'58" (J2000)

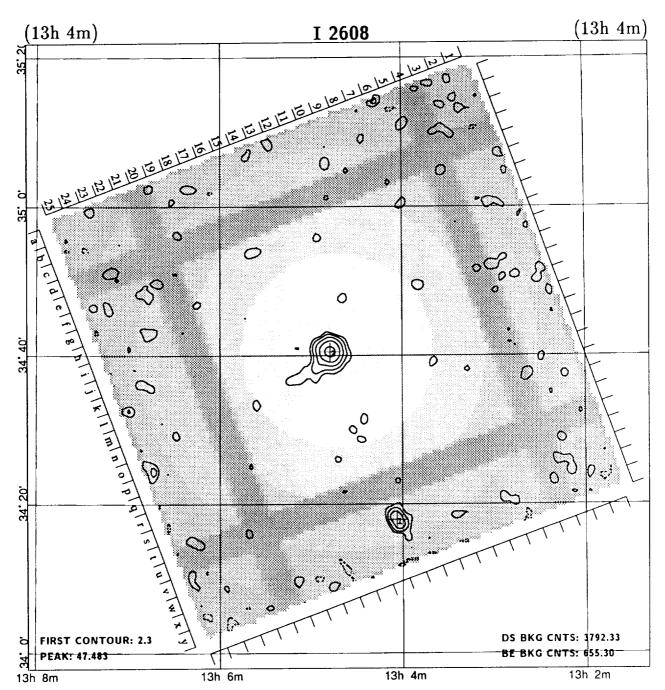
ℓ: \$3.01 b: \$5.08

DATE: 1979/191 - 1979/191 LIVETIME: 1554.46

ROLL ANGLE: 71.9°

NH: 1.1E+20 REF/ID: FIELD FLAGS:

CAT	FLD	RA			COUNT	_	NET	BKG	S/N	SIZE	RECO	R'	SRC	ID
#	#	(1950)	(1950)	"	RATE		CTS	CTS		COR			FLG	
2968	1	13 03 29.3	31 09 54	34	0.0652	0.0079	73.3	5.7	8.3	2.4	0	4.3	Н	CLG



SEYFERT GALAXY SURVEY: MKN 64

FIELD CENTER: 13^h04^m42.0^s 34°39′59″ (B1950) 13^h07^m02.7^s 34°23′58″ (J2000)

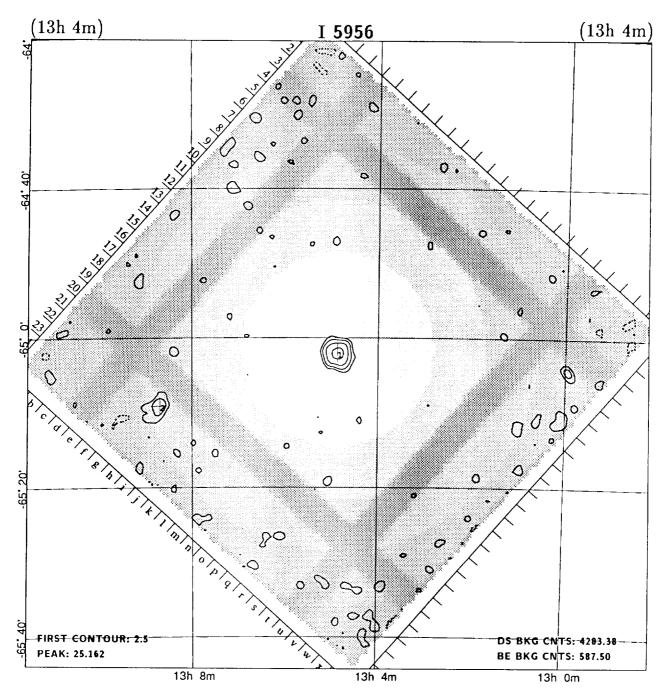
ℓ: 99.16 b: 81.99

DATE: 1980/186 - 1980/186 LIVETIME: 3183.4s

ROLL ANGLE: 69.7°

NH: 1.0E+20 REF/ID: FIELD FLAGS:

CAT	FLD	RA	DEC	±	COUNT	±	NET	BKG	S/N	SIZE	RECO	R'	SRC	ID
#	#	(1950)	(1950)	"	RATE		CTS	CTS		COR			FLG	
2970	1	13 04 03.8	34 17 54	50	0.0307	0.0051	43.4	8.6	6.0	1.0	0	23.4	Н	AGN
2971	2	13 04 47.5	34 40 29	31	0.0903	0.0064	213.6	12.4	14.2	1.4	0	1.3	Н	

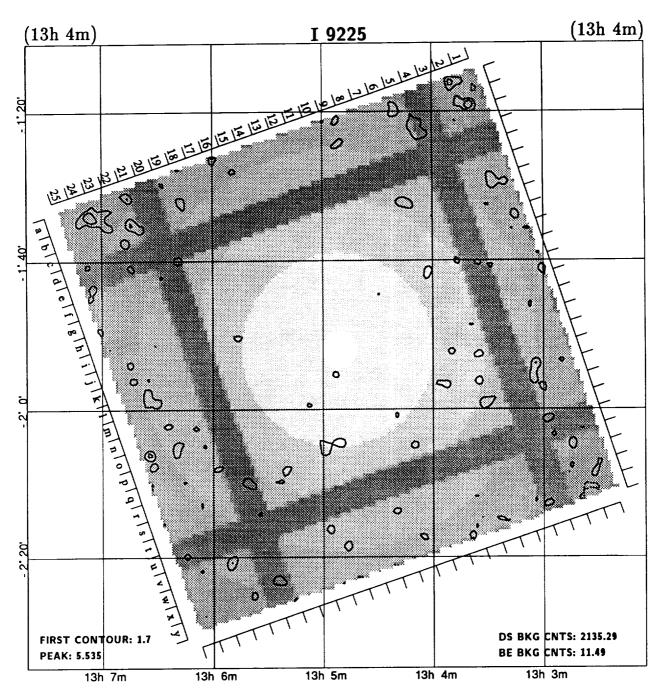


Wolf-Rayet Star Survey: 113904 (THETA MUS)

FIELD CENTER: $13^h04^m52.0^3 -65^\circ02'20''$ (B1950) $13^h08^m07.0^3 -65^\circ18'21''$ (J2000) ℓ : 304.67 b: -2.49

DATE: 1980/238 - 1980/238 LIVETIME: 3471.0₅ ROLL ANGLE: 41.6° NH: 1.5E+21 REF/ID: S FIELD FLAGS:

CAT	FLD	RA	DEC	±	COUNT	±	NET	BKG	S/N	SIZE	RECO	R'	SRC	ID
#	#	(1950)	(1950)	"	RATE		стѕ	CTS		COR			FLG	
2972	1	13 04 52.2	-65 02 02	31	0.0489	0.0046	126.5	12.5	10.7	1.3	0	0.4	н	S
2983	2	13 08 41.3	-65 09 04	55	*0.0121	0.0033	17.8	6.2	3.6	1.2	401	25.0	н	



UNIDENTIFIED 3A SOURCES:3A 1306-012

FIELD CENTER: 13^h04^m52.8^s -01°52'47" (B1950) 13^h07^m27.2^s -02°08'48" (J2000)

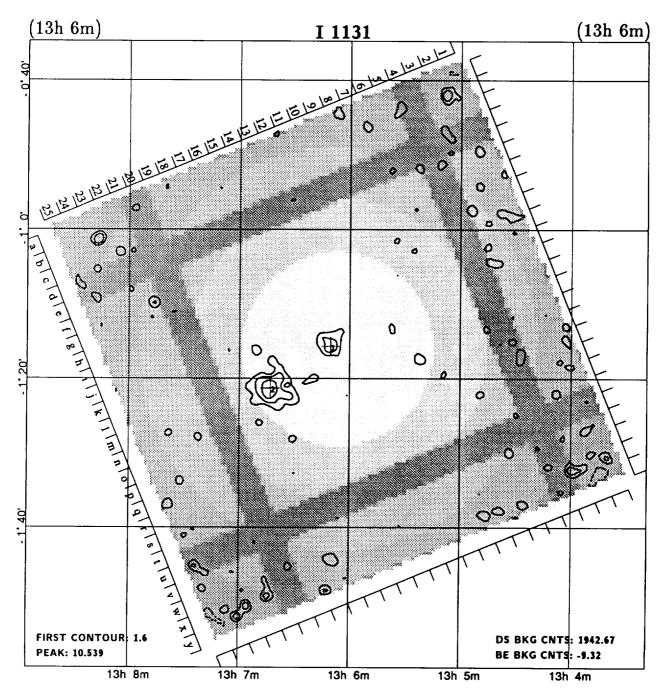
ℓ: 311.07 b: 60.47

DATE: 1980/198 - 1980/198 LIVETIME: 1730.3s

ROLL ANGLE: 71.4°

NH: 1.7E+20 REF/ID:

FIELD FLAGS:

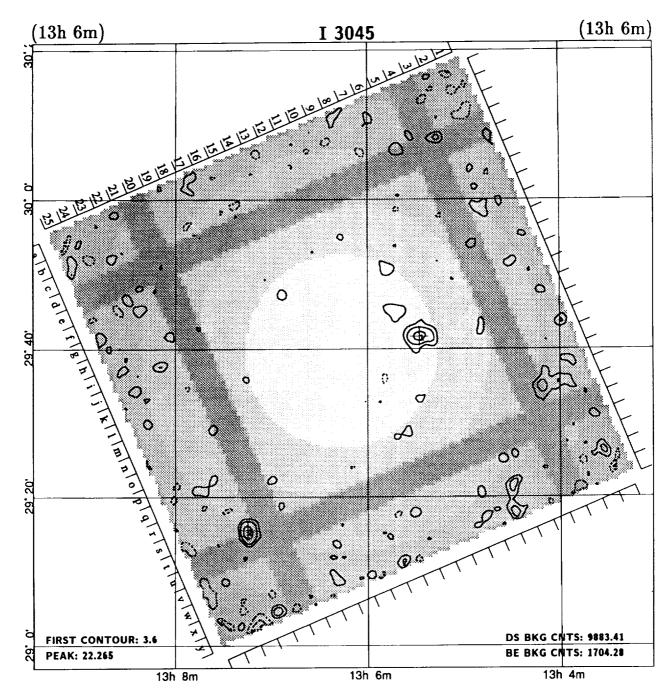


2A1306-012, UNIDENTIFIED HIGH LATITUDE SOURCE

FIELD CENTER: $13^h06^m07.2^s$ -01°16'47" (B1950) $13^h08^m41.4^s$ -01°32'47" (J2000) ℓ : 311.86 b: 61.03

DATE: 1980/194 - 1980/194 LIVETIME: 1574.2e ROLL ANGLE: 67.9° NH: 1.8E+20 REF/ID: FIELD FLAGS:

CAT	FLD	RA	DEC	±	COUNT	±	NET	BKG	S/N	SIZE	RECO	R'	SRC	ID
#	#	(1950)	(1950)	"	RATE		стѕ	CTS		COR			FLG	
2974	1	13 06 10.4	-01 15 42	37	0.0185	0.0044	21.7	5.3	4.2	1.1	0	1.5	Н	
2975	2	13 06 43.2	-01 21 17	41	0.0415	0.0066	43.0	4.0	6.3	1.9	0	10.2	AH	



NORTH GALACTIC POLE, SELECTED AREA 57

FIELD CENTER: 13h06m15.1s 29°39'03" (B1950) 13^h08^m 37.9^s 29° 23′04″ (J2000)

ℓ: 64.73 *b*: 85.59

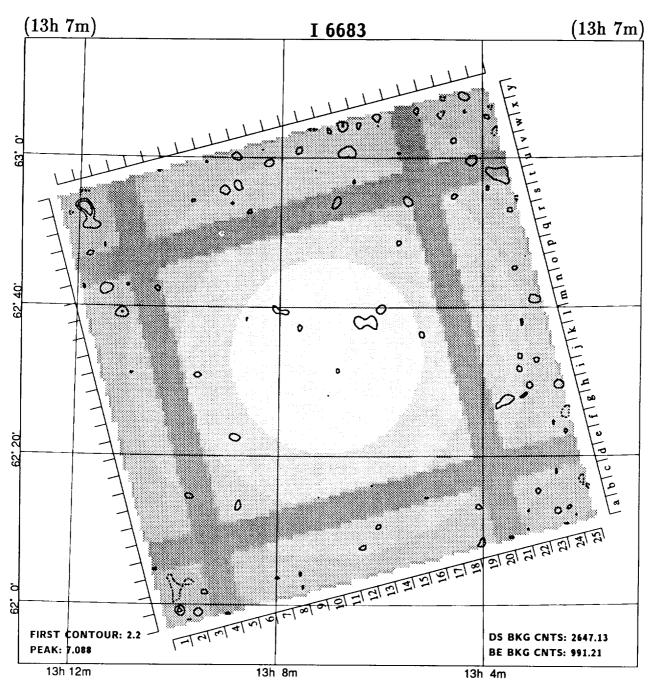
DATE: 1979/183 - 1979/183 LIVETIME: 8008.8s

ROLL ANGLE: 67.1°

NH: 1.0E+20 REF/ID:

FIELD FLAGS:

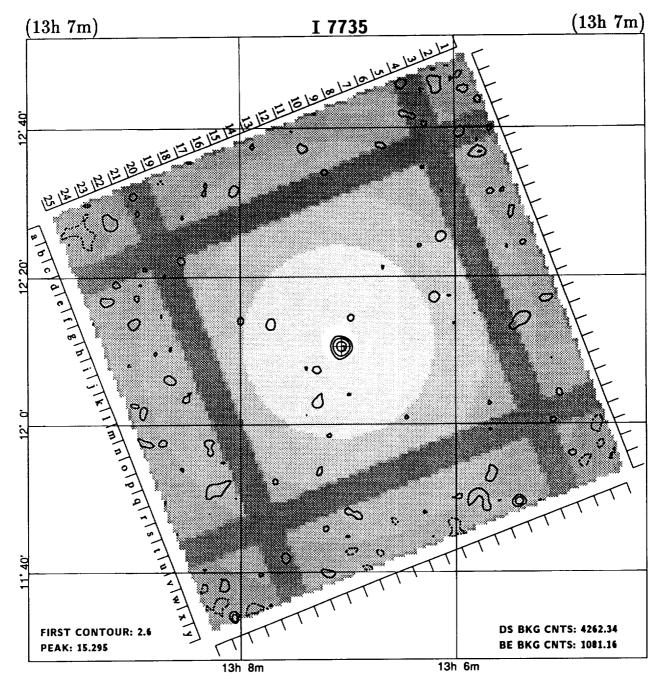
CAT	FLD	RA	DEC	±	COUNT	±	NET	BKG	S/N	SIZE	RECO	R'	SRC	ID
#	#	(1950)	(1950)	"	RATE		CTS	CTS		COR			FLG	
2973	1	13 05 27.6	29 41 40	41	0.0124	0.0018	65.2	22.8	7.0	1.2	0	10.6	Н	GLB
2977	2	13 07 15.0	29 15 32	51	*0.0130	0.0024	41.2	15.8	5.5	0.9	1206	26.9	Н	



GROUPS OF GALAXIES: TG 66

FIELD CENTER: $13^h07^m00.0^s$ $62^o33'59''$ (B1950) $13^h08^m56.3^s$ $62^o18'01''$ (J2000) ℓ : 119.41 b: 54.71

DATE: 1980/358 - 1980/358 LIVETIME: 2145.1s ROLL ANGLE: -104.9° NH: 1.8E+20 REF/ID: FIELD FLAGS:



4C12.46, FAINT BL LAC OBJECTS

FIELD CENTER: 13^h07^m06.0^s 12°10'20" (B1950) 13^h09^m35.5^s 11°54'23" (J2000)

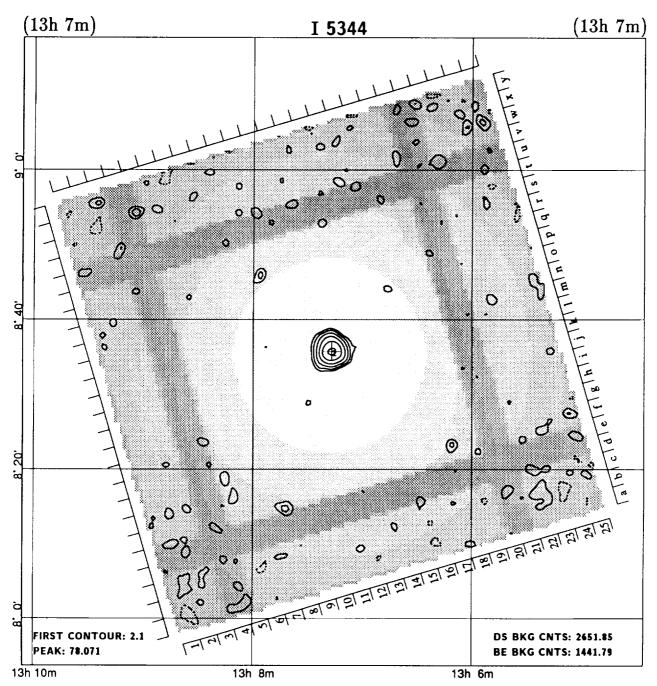
l: 319.45 b: 74.19

DATE: 1980/193 - 1980/193 LIVETIME: 3453.9s

ROLL ANGLE: 68.9°

NH: 2.1E+20 REF/ID: FIELD FLAGS:

CAT	FLD	RA	DEC	±	COUNT	±	NET	BKG	S/N	SIZE	RECO	R'	SRC	ID
#	#	(1950)	(1950)	"	RATE		CTS	CTS		COR			FLG	
2976	1	13 07 03.6	12 10 34	35	0.0217	0.0032	55.9	13.1	6.7	0.8	0	8.0	Н	



SURVEY OF BRIGHT QUASARS (PG)

FIELD CENTER: 13^h07^m16.3^s 08°35'41" (B1950) 13^h09^m47.1^s 08°19'44" (J2000)

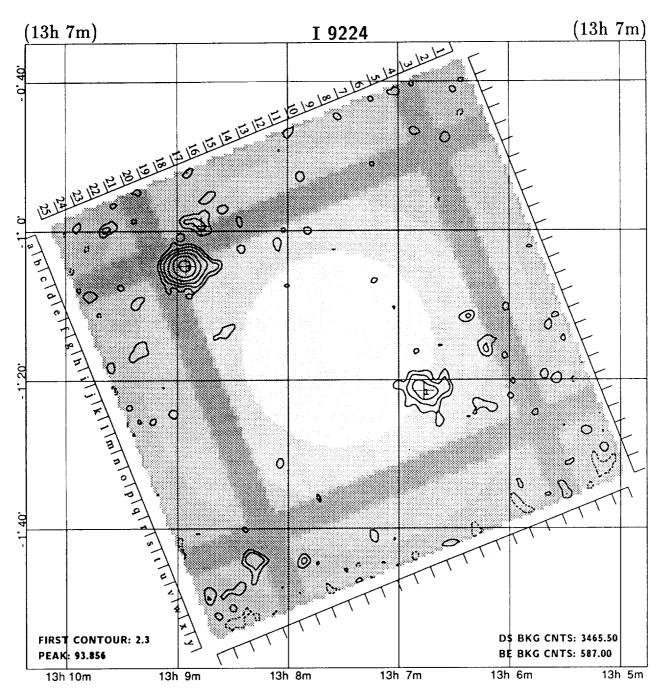
ℓ: 316.79 b: 70.71

DATE: 1981/ 27 - 1981/ 27 LIVETIME: 2148.9s

ROLL ANGLE: -106.4°

NH: 2.1E+20 REF/ID: FIELD FLAGS: L

CAT FLD RA DEC COUNT NET ± BKG S/N SIZE RECO SRC ID (1950)RATE (1950)CTS CTS COR **FLG** 2978 1L 13 07 16.8 08 35 40 0.172 0.014 275.5 74.5 12.6 1.3 0 0.3 Q



UNIDENTIFIED 3A SOURCES:3A 1306-012

FIELD CENTER: 13^h07^m33.6^s -01°16'47" (B1950) 13^h10^m07.8^s -01°32'45" (J2000)

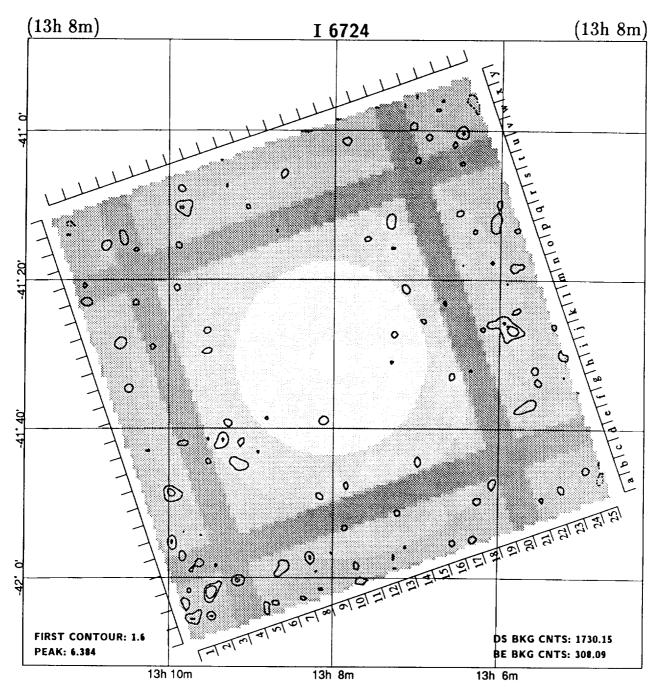
ℓ: 312.59 b: 60.97

DATE: 1980/198 - 1980/198 LIVETIME: 2808.2s

ROLL ANGLE: 68.2°

NH: 1.8E+20 REF/ID: FIELD FLAGS:

CAT	FLD	RA	DEC	±	COUNT	_ 	NET	BKG	S/N	SIZE	RECO	R'	SRC	ID
#	#	(1950)	(1950)	"	RATE		CTS	CTS		COR			FLG	
2975	1	13 06 46.2	-01 21 29	41	0.0341	0.0047	60.1	8.9	7.2	2.0	0	12.8	AH	
2984	2	13 08 46.9	-00 59 21	61	*0.0138	0.0039	16.6	5.4	3.5	1.1	805	25.7	AH	
2986	3	13 08 55.2	-01 04 43	47	*0.212	0.013	270.5	5.5	16.3	1.6	1106	23.9	AH	CLG



EXTENDED EMISSION FROM CEN-A RADIO LOBES, POS 4

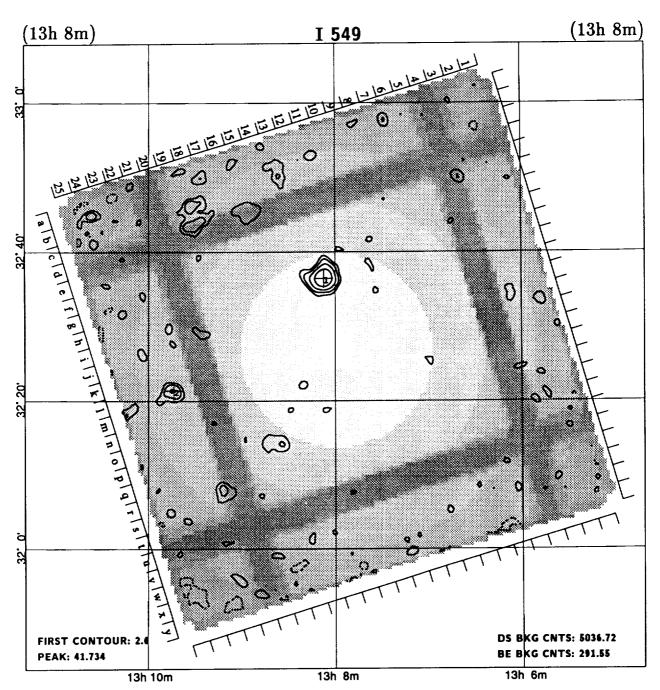
FIELD CENTER: 13h08m00.0s -41°29'59" (B1950) 13^h10^m51.4^s -41°45′56″ (J2000)

ℓ: 306.81 b: 20.96

DATE: 1980/ 10 - 1980/ 10 LIVETIME: 1402.0s

ROLL ANGLE: -109.1°

NH: 7.3E+20 REF/ID: FIELD FLAGS:



B2 1308+326 QUASAR SURVEY

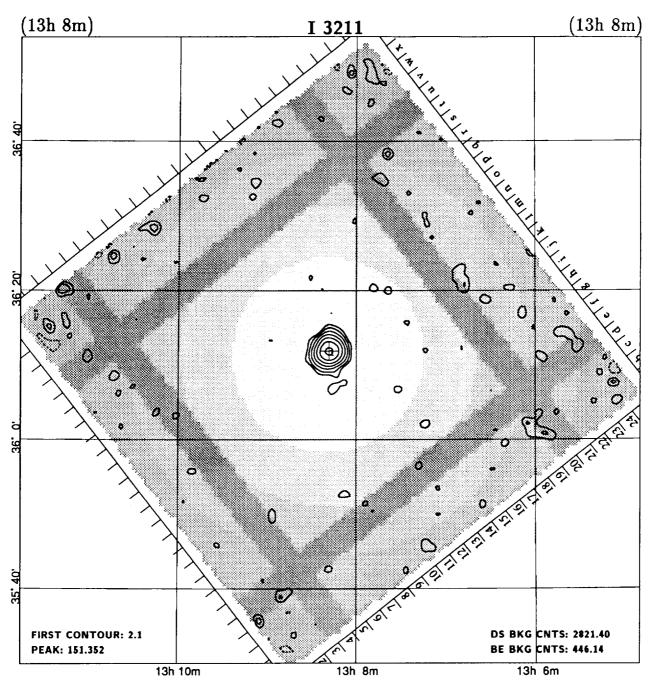
FIELD CENTER: 13^h08^m00.0^s 32°25'59" (B1950) 13^h10^m21.2^s 32°10'03" (J2000) £: 84.88 b: 83.50

) LIVETIME: 4081.4s ROLL ANGLE: 73.1°

DATE: 1979/191 - 1980/196

NH: 1.1E+20 REF/ID: BL FIELD FLAGS:

CAT	FLD	RA	DEC	±	COUNT	±	NET	BKG	S/N	SIZE	RECO	R'	SRC	ID
#	#	(1950)	(1950)	"	RATE		CTS	CTS		COR			FLG	
2979	1	13 08 07.3	32 36 30	38	0.0582	0.0048	158.2	10.8	12.2	1.3	0	10.7	AH	BL
2995	2	13 09 43.8	32 21 24	52	0.0140	0.0032	26.6	10.4	4.4	0.9	0	22.4	AH	5



RS CVN SYSTEMS: RS CVN

FIELD CENTER: 13^h08^m17.9^s 36°12′00″ (B1950) 13^h10^m37.1^s 35°56′04″ (J2000)

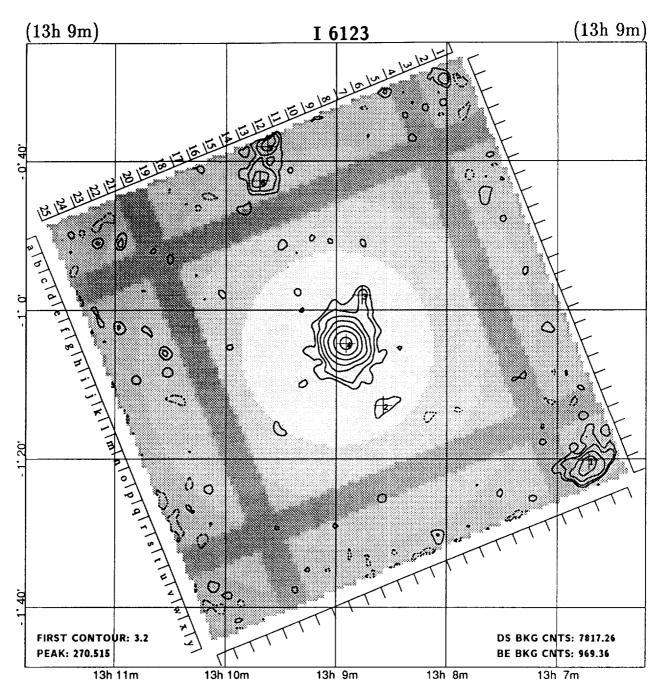
ℓ: 99.26 b: 80.30

DATE: 1979/347 - 1979/347 LIVETIME: 2286.3s

ROLL ANGLE: -128.1°

NH: 1.0E+20 REF/ID: FIELD FLAGS:

													,	
CAT	FLD	RA	DEC	±	COUNT	土	NET	BKG	S/N	SIZE	RECO	R'	SRC	ID
#	#	(1950)	(1950)	"	RATE		CTS	CTS		COR			FLG	
2980	1	13 08 18.2	36 11 57	31	0.390	0.015	664.8	8.2	25.6	1.3	0	0.2	Н	CV



A 1689, DETAILED STUDY OF NEARBY CLUSTERS

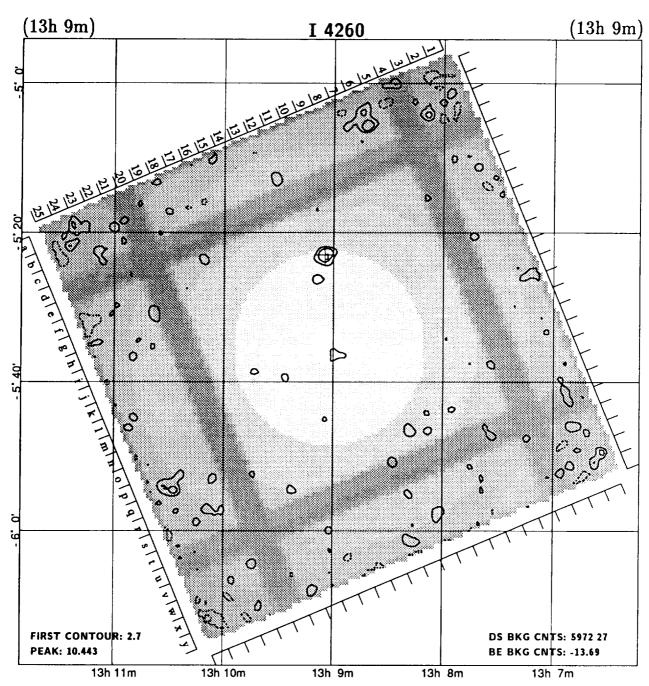
FIELD CENTER: 13h09m00.0s -01°05'59" (B1950) 13^h11^m34.2^s -01°21′55" (J2000)

ℓ: 313.39 b: 61.10

DATE: 1980/195 - 1980/195 LIVETIME: 6334.5s ROLL ANGLE: 67.9°

NH: 1.9E+20 REF/ID: FIELD FLAGS:

CAT	FLD	RA	DEC	±	COUNT	±	NET	BKG	S/N	SIZE	RECO	R'	SRC	ID
#	#	(1950)	(1950)	"	RATE		CTS	CTS		COR			FLG	
2975	1	13 06 43.0	-01 20 11	50	0.0309	0.0052	46.0	13.0	6.0	2.3	0	36.9	AH	
2982	2	13 08 34.5	-01 12 46	46	0.0061	0.0016	25.7	21.3	3.7	0.8	0	9.2	н	
2984	3	13 08 46.1	-00 57 58	42	0.0083	0.0018	35.9	23.1	4.7	70.6	0	8.8	AH	
2986	4	13 08 54.6	-01 04 31	31	0.2625	0.0075	1233.1	20.9	34.8	2.0	0	1.9	AH	CLG
2992	5	13 09 37.5	-00 38 01	51	*0.0166	0.0031	37.5	10.5	5.4	3.0	601	29.6	н	
2993	6	13 09 41.7	-00 42 36	50	0.0202	0.0031	55.1	15.9	6.5	2.4	0	25.6	н	

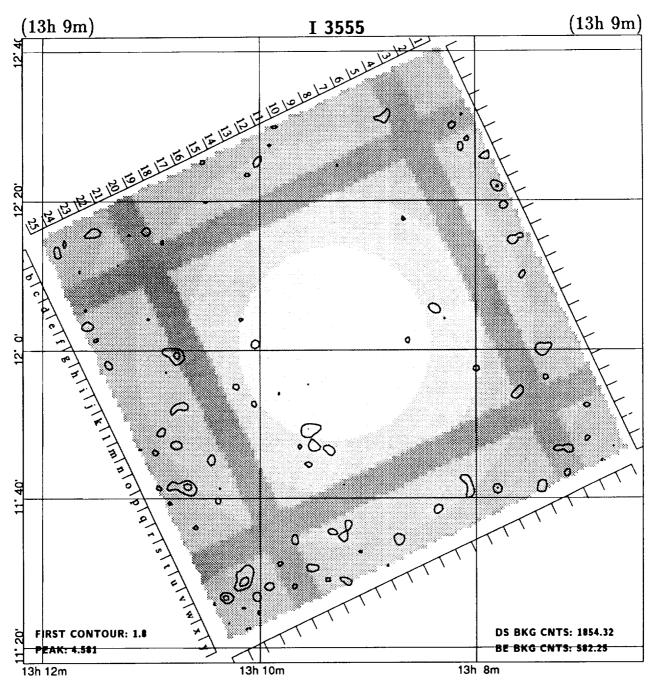


OPTICALLY BRIGHT, RADIO-QUIET QSO

FIELD CENTER: $13^h09^m02.0^s$ -05°36′06″ (B1950) $13^h11^m37.8^s$ -05°52′02″ (J2000) ℓ : 312.09 b: 56.64

DATE: 1979/179 - 1979/179 LIVETIME: 4839.5s ROLL ANGLE: 67.3° NH: 2.6E+20 REF/ID: ! FIELD FLAGS:

CAT	FLD	RA	DEC	±	COUNT	±	NET	BKG	S/N	SIZE	RECO	R'	SRC	ID
#	#	(1950)	(1950)	"	RATE		стѕ	CTS		COR			FLG	
2987	1	13 09 04.7	-05 22 59	42	0.0094	0.0021	28.7	13.3	4.4	0.8	0	13.0	Н	



CD GALAXIES IN POOR CLUSTERS:MKW 11

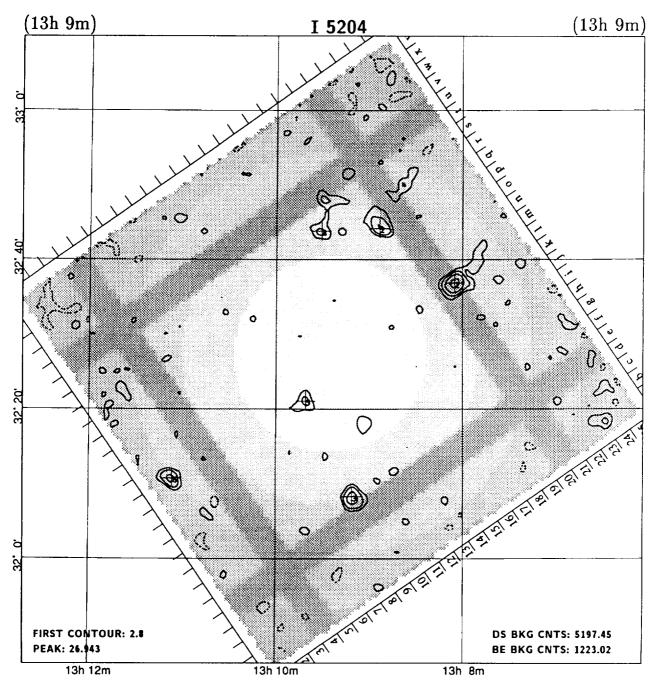
FIELD CENTER: 13h09m19.2 11059'59" (B1950) 13^h11^m48.7^s 11°44′04" (J2000)

ℓ: 321.18 b: 73.88

DATE: 1979/178 - 1979/178 LIVETIME: 1502.6s

ROLL ANGLE: 64.7°

NH: 2.0E+20 REF/ID: FIELD FLAGS: L

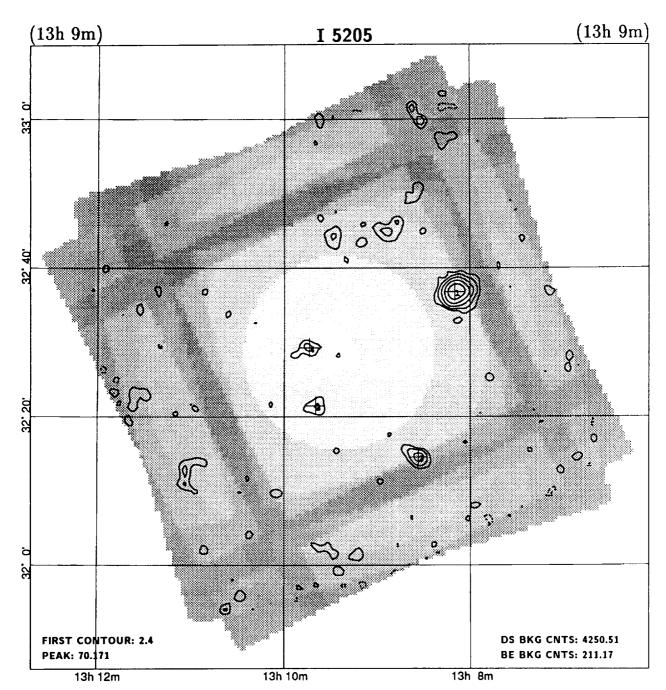


GALAXY B2 1308+326, COORDINATED X-RAY AND OPTICAL OBS.

FIELD CENTER: $13^h09^m24.0^s$ $32^\circ27'59''$ (B1950) $13^h11^m44.9^s$ $32^\circ12'04''$ (J2000) ℓ : 83.15 b: 83.28

DATE: 1979/346 - 1979/347 LIVETIME: 4211.7s ROLL ANGLE: -124.8° NH: 1.1E+20 REF/ID: FIELD FLAGS: C

CAT	FLD	RA	DEC	±	COUNT	±	NET	BKG	S/N	SIZE	RECO	R'	SRC	ID
#	#	(1950)	(1950)	"	RATE		CTS	CTS		COR			FLG	
2979	1	13 08 05.1	32 36 53	50	*0.0356	0.0042	78.3	6.7	8.5	1.3	1209	18.7	AH	BL
2985	2	13 08 53.4	32 44 12	51	*0.0171	0.0031	38.7	12.3	5.4	1.2	501	17.4	н	
2988	3	13 09 11.0	32 08 17	50	*0.0196	0.0033	43.0	9.0	6.0	1.1	601	20.0	н	
2991	4	13 09 30.8	32 43 51	55	0.0095	0.0025	22.7	12.3	3.8	1.6	0	15.9	н	
2995	5	13 09 40.9	32 21 05	43	0.0075	0.0021	22.0	16.0	3.6	0.9	0	7.4	A	S
2999	6	13 11 06.7	32 10 44	51	0.0159	0.0036	26.6	10.4	4.4	0.9	0	27.7	Н	



GALAXY B2 1308+326, COORDINATED X-RAY AND OPTICAL OBS.

FIELD CENTER: 13h09m24.0s 32°27'59" (B1950)

13h11m44.9 32°12'04" (J2000)

ℓ: 83.15 b: 83.28

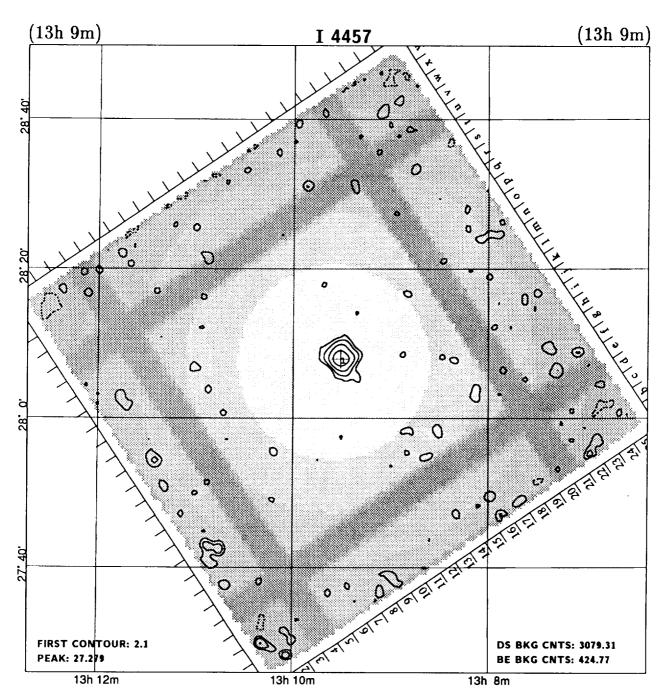
DATE: 1980/182 - 1980/190

LIVETIME: 3444.3s

NH: 1.1E+20 REF/ID:

FIELD FLAGS: C

CAT	FLD	RA	DEC	±	COUNT	±	NET	BKG	S/N	SIZE	RECO	R'	\$RC	ID
#	#	(1950)	(1950)	"	RATE		CTS	CTS		COR			FLG	
2979	1	13 08 09.7	32 36 46	47	*0.1140	0.0079	215.4	6.6	14.5	1.3	401	18.2	AH	BL
2981	2	13 08 33.4	32 14 30	51	*0.0187	0.0035	35.4	7.6	5.4	1.0	905	17.1	Н	
2995	3	13 09 39.7	32 21 29	46	0.0098	0.0024	23.1	9.9	4.0	0.8	0	7.1	AH	S
2994	4	13 09 43.8	32 29 20	37	0.0079	0.0022	19.7	11.3	3.5	0.8	0	4.6	Н	



BETA COM, CORRELLATION OF X RAYS WITH STELLAR WIND AND ROTATION

FIELD CENTER: 13^h09^m33.0^s 28°07′51" (B1950) 13^h11^m55.9^s 27°51′57" (J2000)

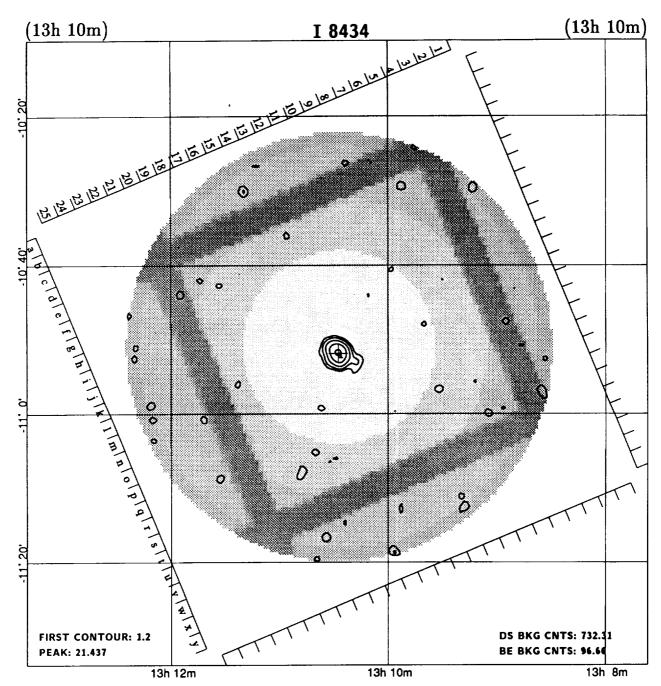
ℓ: 43.33 *b*: 85.40

DATE: 1979/347 - 1979/347 LIVETIME: 2495.3s

ROLL ANGLE: -123.9°

NH: 1.0E+20 REF/ID: FIELD FLAGS:

CAT	FLD	RA	DEC	±	COUNT	±	NET	BKG	S/N	SIZE	RECO	R'	SRC	ID
#	#	(1950)	(1950)	"	RATE		стѕ	CTS		COR			FLG	
2990	1	13 09 30.7	28 07 58	31	0.0677	0.0063	125.5	9.5	10.8	1.4	0	8.0	Н	S



SURVEY OF BRIGHT (PG) QUASARS

FIELD CENTER: 13h10m28.0s -10°51'47" (B1950) 13^h13^m05.7^s -11°07'41" (J2000)

ℓ: 311.46 b: 51.38

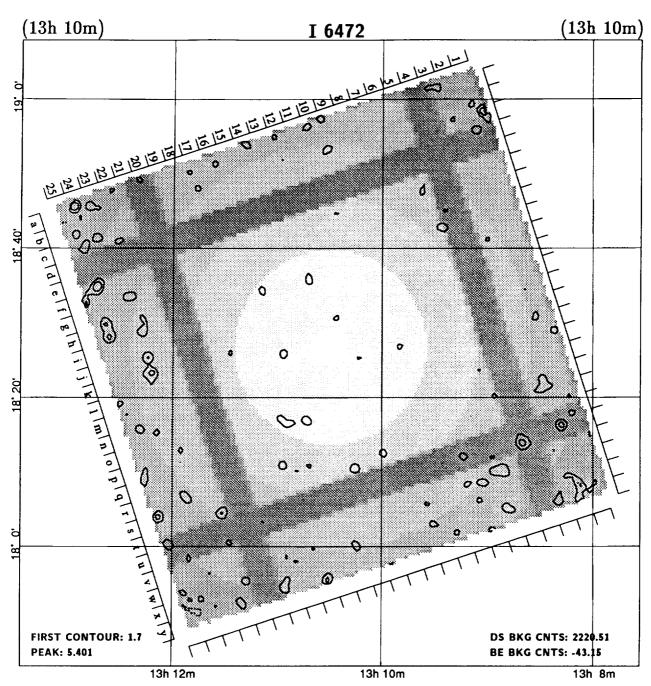
DATE: 1980/196 - 1980/196 LIVETIME: 593.4e

ROLL ANGLE: 67.5°

NH: 2.9E+20 REF/ID:

FIELD FLAGS:

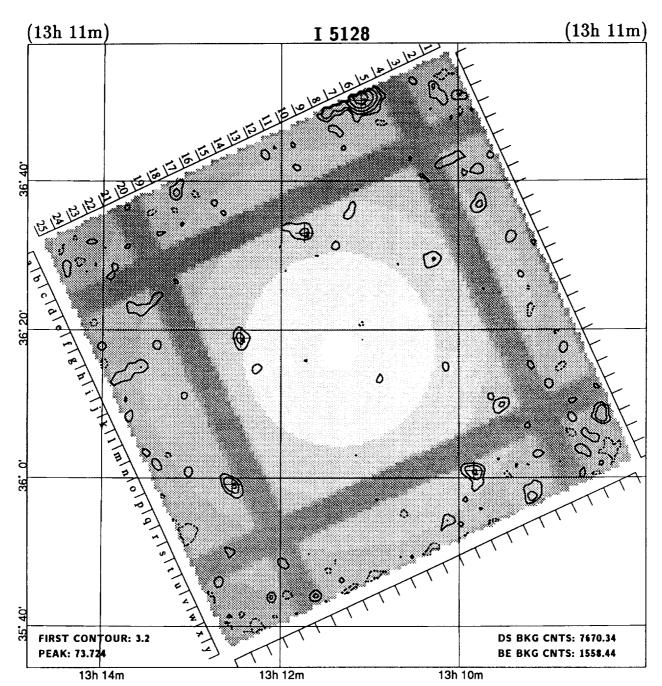
CAT	FLD	RA	DEC	±	COUNT	±	NET	BKG	S/N	SIZE	RECO	R'	SRC	ID
#	#	(1950)	(1950)	"	RATE		CTS	CTS		COR			FLG	
2997	1	13 10 27.6	-10 51 50	31	0.199	0.021	88.0	2.0	9.3	1.2	0	0.2	Н	Q



NGC 5024, GLOBULAR CLUSTER SURVEY

FIELD CENTER: $13^h 10^m 30.0^s$ $18^o 25' 59''$ (B1950) $13^h 12^m 56.9^s$ $18^o 10' 06''$ (J2000) ℓ : 333.00 b: 79.76

DATE: 1980/190 - 1980/190 LIVETIME: 1799.3s ROLL ANGLE: 72.0° NH: 1.9E+20 REF/ID: FIELD FLAGS:

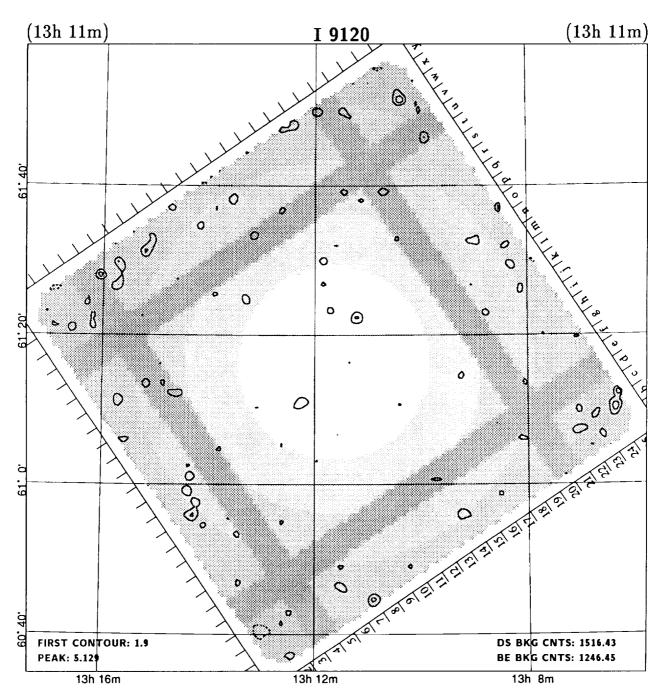


QSO BSO 11

FIELD CENTER: $13^{h}11^{m}22.0^{s}$ $36^{\circ}16'29''$ (B1950) $13^{h}13^{m}40.5^{s}$ $36^{\circ}00'37''$ (J2000) ℓ : 96.28 ℓ : 79.94

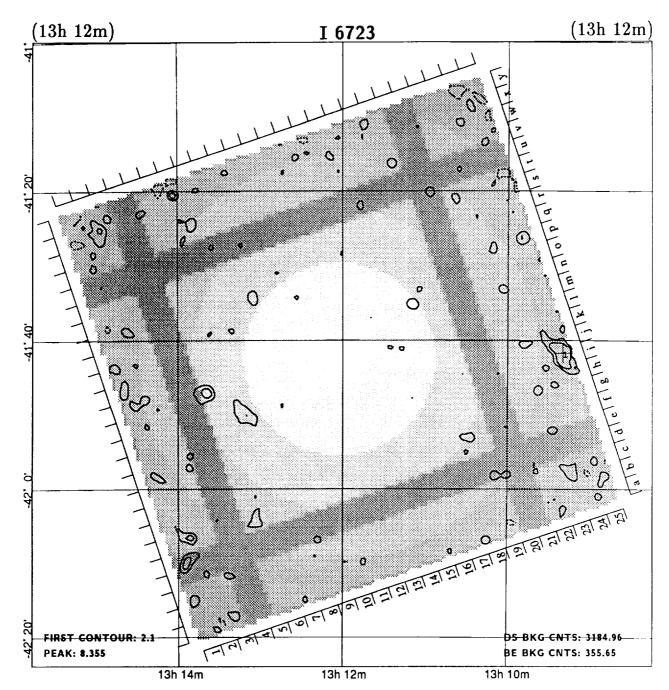
DATE: 1980/180 - 1980/180 LIVETIME: 6215.5s ROLL ANGLE: 65.1° NH: 1.0E+20 REF/ID: FIELD FLAGS:

CAT	FLD	RA	DEC	±	COUNT	±	NET	BKG	S/N	SIZE	RECO	R'	SRC	ID
#	#	(1950)	(1950)	"	RATE		стѕ	CTS		COR			FLG	
2996	1	13 09 50.0	36 00 57	52	*0.0096	0.0023	26.3	12.7	4.2	0.9	501	24.1	Н	
2998	2	13 11 05.8	36 50 48	48	*0.0716	0.0068	120.2	8.8	10.6	1.2	703	34.7	н	AGN
3001	3	13 11 44.4	36 33 00	55	0.0078	0.0019	27.6	16.4	4.2	0.9	300	17.5	н	
3004	4	13 12 27.4	36 18 55	43	0.0061	0.0017	23.3	18.7	3.6	0.8	0	13.8	н	
3005	5	13 12 32.7	35 59 10	54	*0.0099	0.0023	28.1	13.9	4.3	0.9	703	22.6	н	



CLUSTER OF GALAXY SURVEY: A1701a

FIELD CENTER: $13^{h}11^{m}36.0^{s}$ $61^{o}16'59''$ (B1950) $13^{h}13^{m}32.0^{s}$ $61^{o}01'07''$ (J2000) ℓ : 118.16 b: 55.90 DATE: 1980/358 - 1980/358 LIVETIME: 1228.8a ROLL ANGLE: -124.1° NH: 1.7E+20 REF/ID: FIELD FLAGS:



EXTENDED EMISSION FROM CEN-A RADIO LOBES, POS 3

FIELD CENTER: 13^h12^m00.0^s -41°41′59" (B1950) 13^h14^m52.6^s -41°57′51" (J2000)

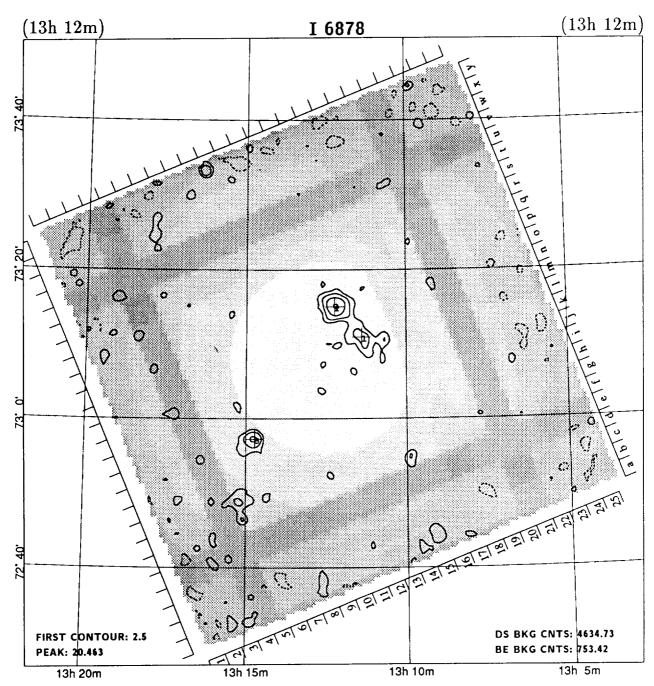
ℓ: 307.59 b: 20.70

DATE: 1980/ 10 - 1980/ 10 LIVETIME: 2580.9s

ROLL ANGLE: -108.5°

NH: 7.0E+20 REF/ID: FIELD FLAGS:

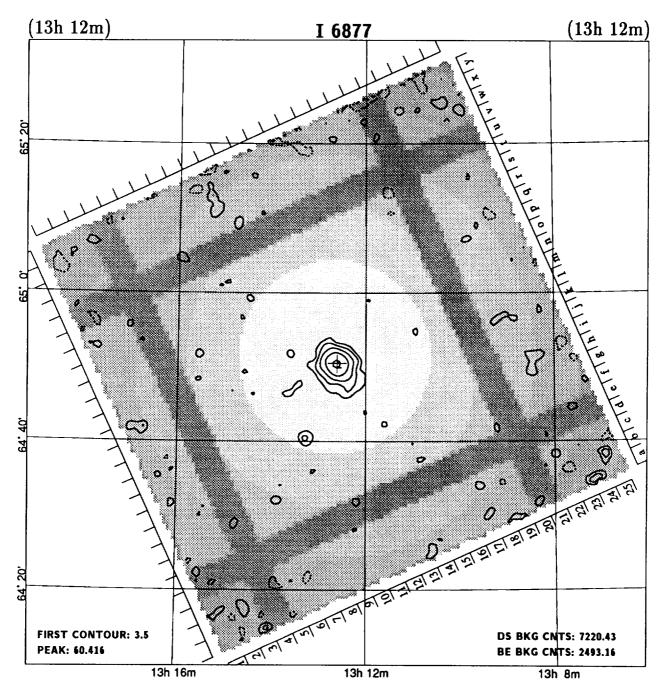
CAT	FLD	RA	DEC	±	COUNT	±	NET	BKG	S/N	SIZE	RECO	R'	SRC IE	D
#	#	(1950)	(1950)	"	RATE		CTS	CTS		COR			FLG	
2989	1	13 09 20.1	-41 41 43	56	0.0234	0.0060	19.6	5.4	3.9	1.5	600	29.7	EΗ	



A1705,CLUSTER LUMINOSITIES @ Z=0.25.

FIELD CENTER: $13^h 12^m 18.0^s$ $73^o 08'59''$ (B1950) $13^h 13^m 43.2^s$ $72^o 53'08''$ (J2000) ℓ : 120.65 b: 44.14 DATE: 1980/358 - 1980/358 LIVETIME: 3755.7s ROLL ANGLE: -111.9° NH: 1.7E+20 REF/ID: FIELD FLAGS:

CAT #	FLD #	RA (1950)	DEC (1950)	± "	COUNT RATE	±	NET CTS	BKG CTS	S/N	SIZE	RECO	R′	SRC FLG	ID
3000	1	\		36	0.0100	0.0024	26.7	13.3	4.2	5.8	0	3.8	н	CLG
3003	2	13 12 14.4	73 14 59	38	0.0320	0.0037	84.0	12.0	8.6	1.9	0	6.0	н	CLG
3011	3	13 14 43.9	72 57 14	50	0.0160	0.0031	36.4	11.6	5.2	1.0	0	15.7	н	



A1704, CLUSTER LUMINOSITIES @ Z=0.25.

FIELD CENTER: 13^h12^m36.0^s 64°51'59" (B1950) 13^h14^m25.1^s 64°36'08" (J2000)

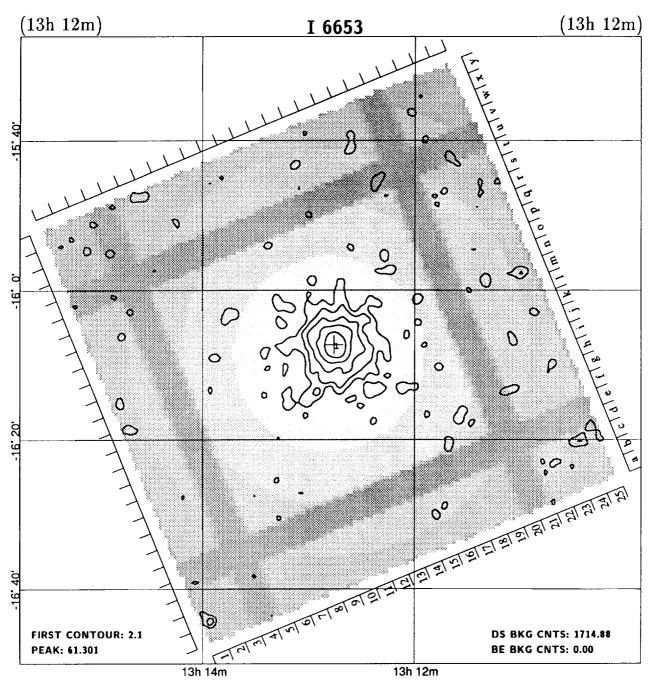
l: 118.90 b: 52.35

DATE: 1980/358 - 1980/358 LIVETIME: 5851.0s

ROLL ANGLE: -114.5°

NH: 1.9E+20 REF/ID: FIELD FLAGS:

CAT	FLD	RA	DEC	±	COUNT	±	NET	BKG	S/N	SIZE	RECO	R'	SRC	ID
#	#	(1950)	(1950)	"	RATE		стѕ	CTS		COR			FLG	
3006	1	13 12 36.8	64 50 32	31	0.0691	0.0041	300.7	25.3	16.7	1.9	0	1.2	Н	CLG



WP 23, SURVEY OF GROUPS OF GALAXIES

FIELD CENTER: 13^h12^m48.0^s -16°07'59" (B1950)

13^h15^m27.9^s -16°23'50" (J2000)

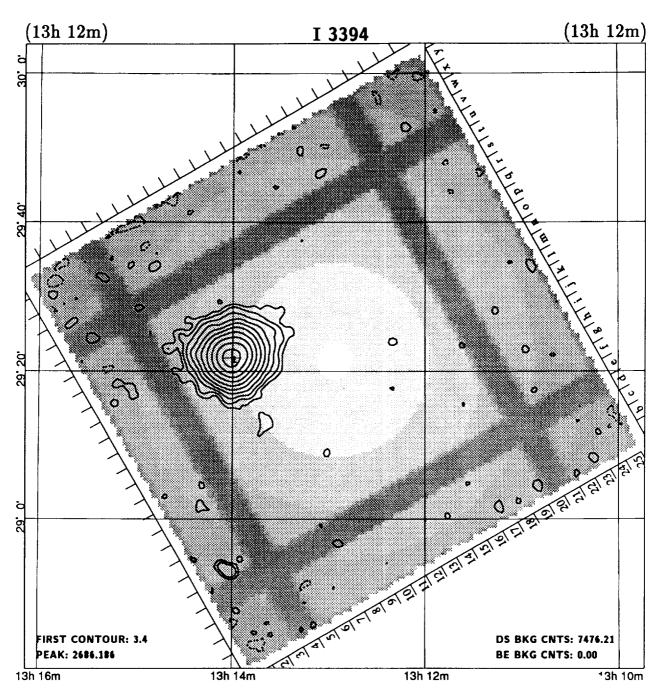
DATE: 1980/ 12 - 1980/ 12 LIVETIME: 1389.6s

ROLL ANGLE: -112.3°

NH: 5.0E+20 REF/ID: FIELD FLAGS: L

ℓ: 311.25 b: 46.09

CAT	FLD	RA	DEC	Ŧ	COUNT	±	NET	BKG	S/N	SIZE	RECO	R'	SRC	ID
#	#	(1950)	(1950)	"	RATE		CTS	CTS		COR			FLG	
3007	1L	13 12 45.5	-16 07 14	31	0.140	0.021	144.0	167.0	6.5	3.3	0	1.0		

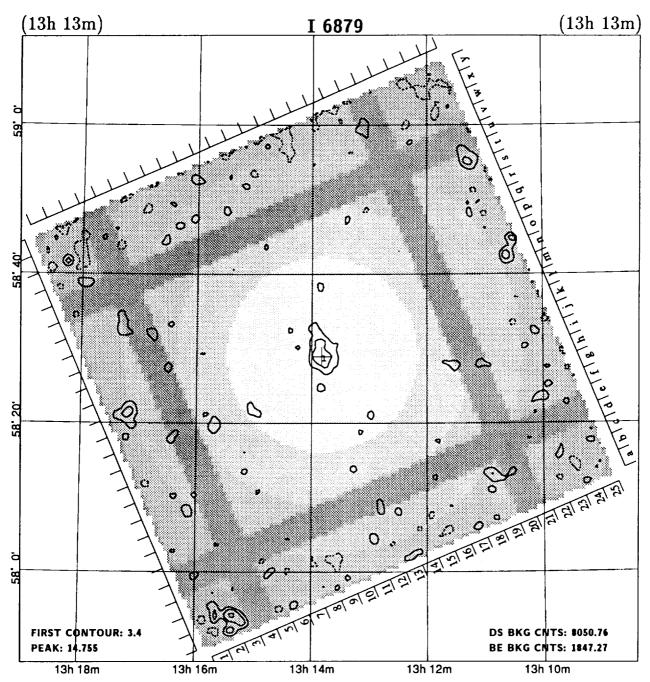


HZ 43 BORESIGHT 2

FIELD CENTER: $13^{h}12^{m}55.9^{s}$ $29^{\circ}22'01''$ (B1950) $13^{h}15^{m}17.8^{s}$ $29^{\circ}06'10''$ (J2000) ℓ : 54.90 ℓ : 84.38

DATE: 1978/354 - 1978/355 LIVETIME: 6058.2s ROLL ANGLE: -119.9° NH: 1.0E+20 REF/ID: FIELD FLAGS: L

CAT	FLD	RA	DEC	±	COUNT	±	NET	BKG	S/N	SIZE	RECO	R'	SRC	ID
#	#	(1950)	(1950)	"	RATE		CTS	CTS		COR			FLG	
3009	1L	13 14 00.6	29 21 46	37	1.773	0.034	6528.5	4171.5	52.2	2.2	0	13.9	Α	S



A1707, CLUSTER LUMINOSITIES @ Z=0.25.

FIELD CENTER: 13^h13^m42.0^s 58°29'59" (B1950) 13^h 15^m 41.0^s 58° 14′ 10″ (J2000)

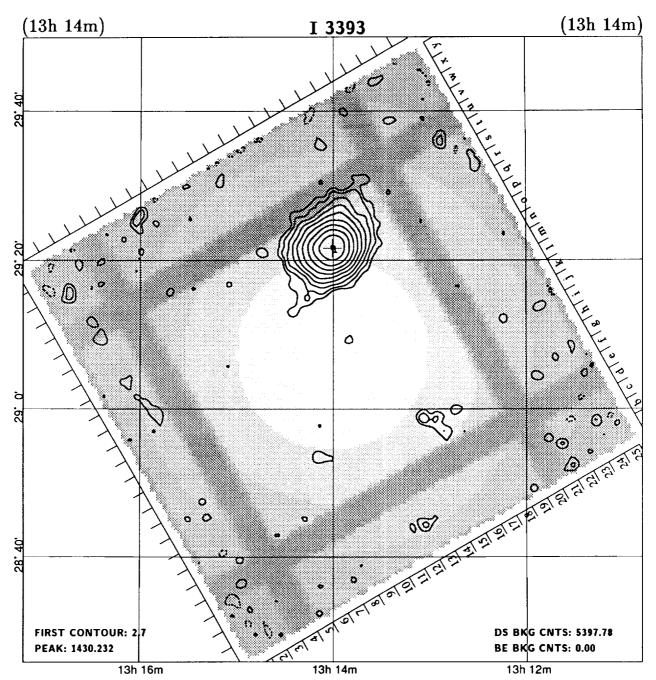
ℓ: 116.81 b: 58.60

DATE: 1980/357 - 1980/357 LIVETIME: 6523.8s

REF/ID: ROLL ANGLE: -113.2° FIELD FLAGS:

NH: 1.5E+20

CAT	FLD	RA	DEC	±	COUNT	±	NET	BKG	S/N	SIZE	RECO	R'	SRC	1D
#	#	(1950)	(1950)	"	RATE		CTS	CTS		COR			FLG	
3008	1	13 13 49.8	58 28 57	35	0.0113	0.0018	55.2	23.8	6.2	1.8	0	1.7	Н	CLG



HZ 43 BORESIGHT 2

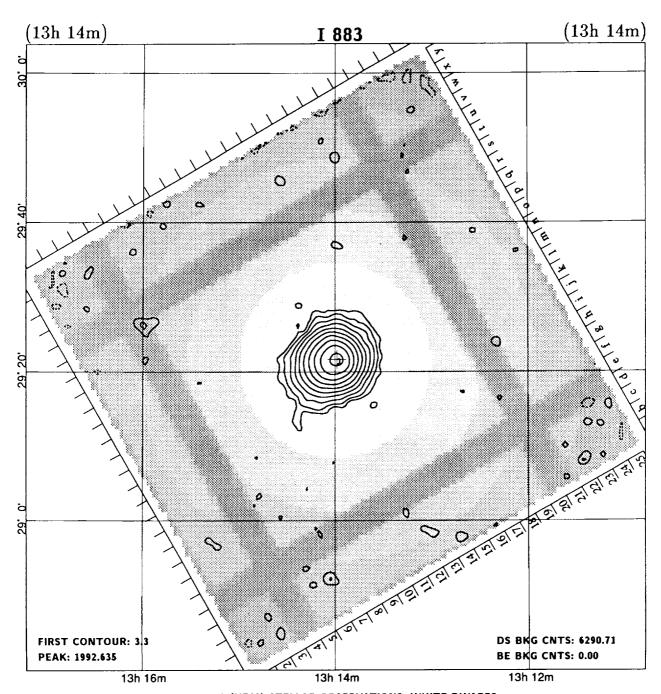
DATE: 1978/355 - 1978/355

FIELD CENTER: 13^h14^m00.0^s 29°08'01" (B1950) 13^h16^m21.8^s 28°52'12" (J2000)

13^h 16^m 21.8^s 28°52′12″ (J2000) LIVETIME: 4374.0₅ ℓ: 51.95 b: 84.23 ROLL ANGLE: -119.9°

NH: 1.1E+20 REF/ID: FIELD FLAGS: L

CAT	FLD	RA	DEC	±	COUNT	±	NET	BKG	S/N	SIZE	RECO	R'	SRC	ID
#	#	(1950)	(1950)	"	RATE		CTS	CTS		COR			FLG	
3009	1L	13 14 00.5	29 21 37	37	1.265	0.035	3349.4	2560.6	35.7	2.3	0	13.6	Α	S



EG 098 (HZ43) STELLAR OBSERVATIONS, WHITE DWARFS

FIELD CENTER: 13^h14^m00.0^s 29°22′01" (B1950) 13^h16^m21.7^s 29°06′12" (J2000)

ℓ: 54.15 b: 84.16

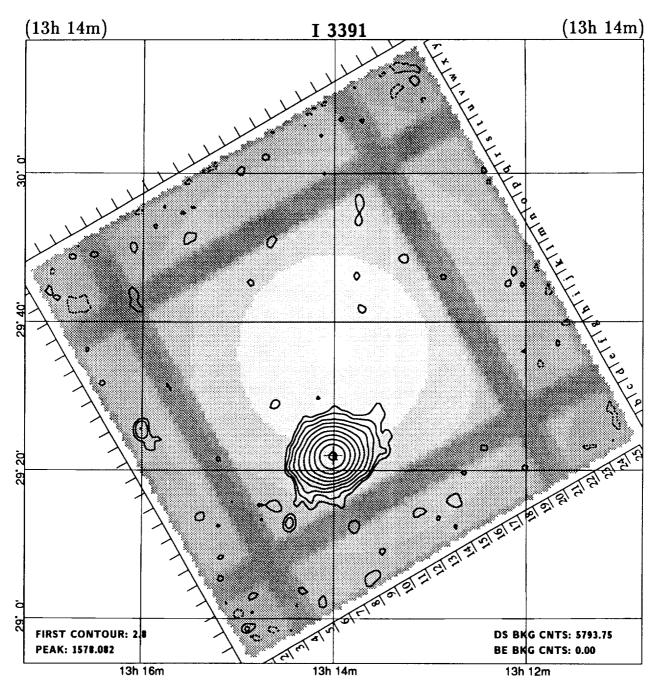
DATE: 1978/355 - 1978/355 LIVETIME: 5097.6s

ROLL ANGLE: -120.0°

NH: 1.1E+20 REF/ID:

FIELD FLAGS: L

CAT	FLD	RA	DEC	±	COUNT	±	NET	BKG	S/N	SIZE	RECO	R'	SRC	ID
#	#	(1950)	(1950)	"	RATE		CTS	CTS		COR			FLG	
3009	1L	13 13 58.8	29 21 37	31	1.534	0.033	5831.7	4501.3	47.0	2.5	0	0.3	Α	S



HZ 43 BORESIGHT 1

FIELD CENTER: 13^h14^m00.0^s 29°36′01" (B1950) 13^h16^m21.6^s 29°20'12" (J2000)

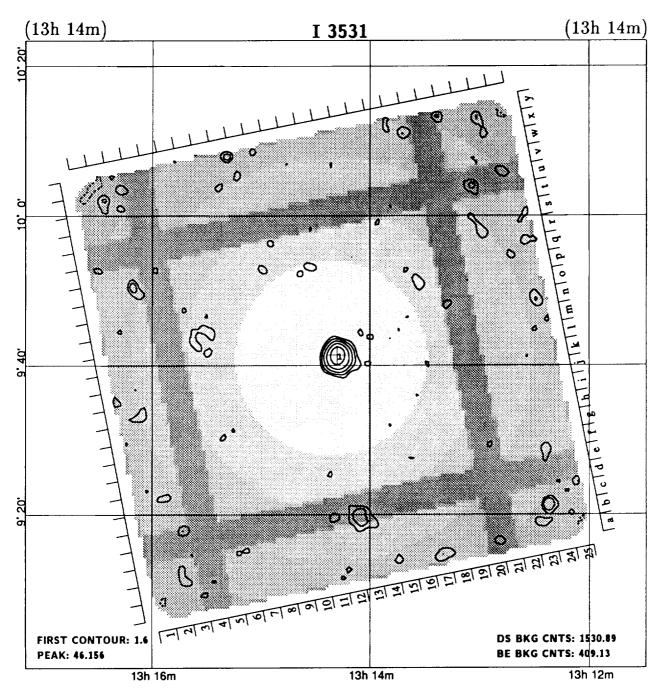
ℓ: 56.30 b: \$4.08

DATE: 1978/354 - 1978/355 LIVETIME: 4694.96

ROLL ANGLE: -120.0°

NH: 1.1E+20 REF/ID: FIELD FLAGS: L

CAT	FLD	RA	DEC	±	COUNT	±	NET	BKG	S/N	SIZE	RECO	R'	SRC	ID
#	#	(1950)	(1950)	"	RATE		стѕ	CTS		COR			FLG	i
3009	1L	13 14 00.6	29 22 01	37	1.390	0.034	3989.2	2583.8	40.7	2.3	0	13.8	A	S

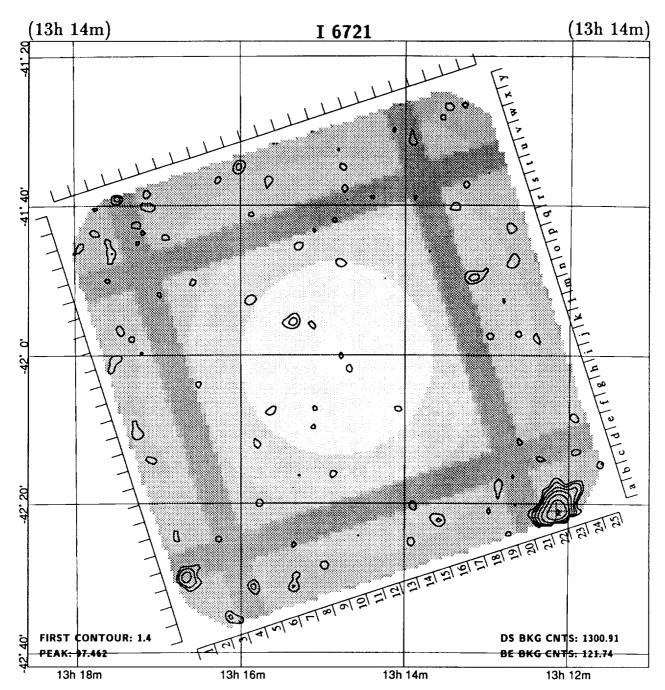


59 VIR, CORONAL ACTIVITY OF F, G, K STARS

FIELD CENTER: 13^h14^m19.2^s 09°41'23" (B1950) 13^h16^m49.3^s 09°25'35" (J2000) ℓ: 322.83 b: 71.31

DATE: 1980/ 17 - 1980/ 17 LIVETIME: 1240.5 ROLL ANGLE: -101.1° NH: 1.8E+20 REF/ID: FIELD FLAGS:

CAT	FLD	RA	DEC	±	COUNT	±	NET	BKG	S/N	SIZE	RECO	R'	SRC	ID
#	#	(1950)	(1950)	"	RATE		CTS	CTS		COR			FLG	
3010	1	13 14 18.0	09 41 22	31	0.203	0.015	187.7	5.3	13.5	1.3	0	0.2	Н	S



EXTENDED EMISSION FROM CEN-A RADIO LOBES, POS 1

FIELD CENTER: 13^h14^m48.0^s -41^o59'59" (B1950) 13^h17^m41.5^s -42^o15'47" (J2000)

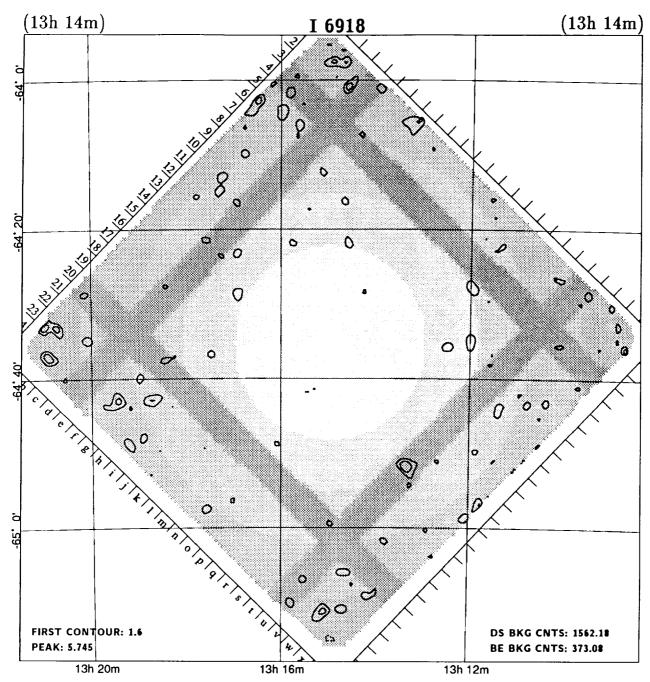
ℓ: 308.11 *b*: 20.34

DATE: 1980/ 9 - 1980/ 9 LIVETIME: 1054.2s

ROLL ANGLE: -107.8°

NH: 7.0E+20 REF/ID: FIELD FLAGS:

CAT	FLD	RA	DEC	±	COUNT	±	NET	BKG	S/N	SIZE	RECO	R'	SRC	ID
#	#	(1950)	(1950)	"	RATE		стѕ	CTS		COR			FLG	
3002	1	13 12 09.0	-42 20 57	48	0.569	0.046	151.4	1.6	12.2	1.4	700	36.1	Н	



4U 1314-64, GALACTIC SOURCE LOCATIONS & SPECTRA I

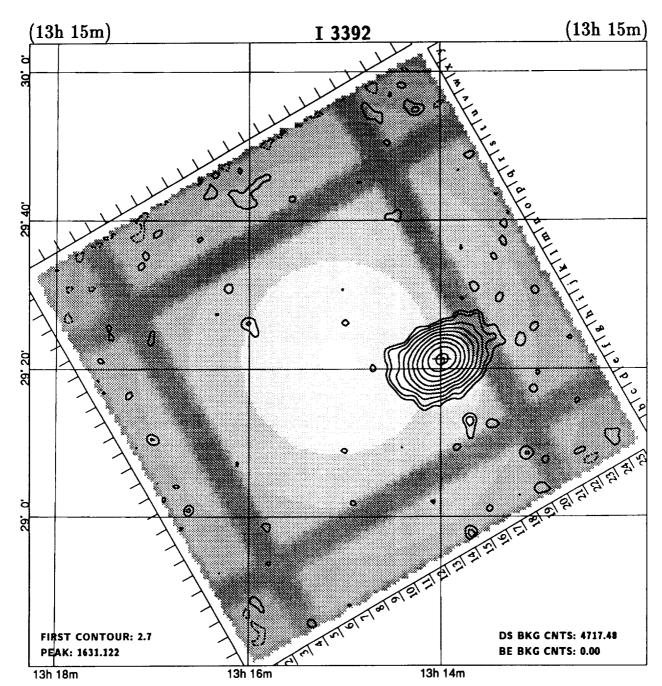
FIELD CENTER: 13^h14^m57.0^s -64°35′59" (B1950) 13^h18^m17.2^s -64°51'46" (J2000)

ℓ: 305.78 b: -2.14

DATE: 1980/238 - 1980/238 LIVETIME: 1265.9s

ROLL ANGLE: 43.8°

NH: 1.5E+21 REF/ID: ! FIELD FLAGS:



HZ 43 BORESIGHT 1

FIELD CENTER: 13^h15^m04.0^s 29°22'01" (B1950) 13^h17^m25.5^s 29°06'13" (J2000)

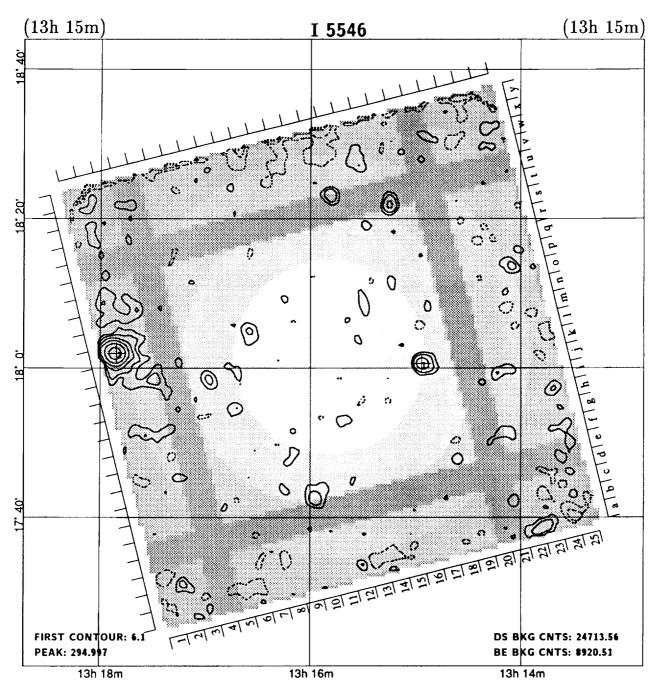
l: 53.47 b: 83.94

DATE: 1978/355 - 1978/355 LIVETIME: 3822.8s

ROLL ANGLE: -119.9°

NH: 1.1E+20 REF/ID: FIELD FLAGS: L

CAT	FLD	RA	DEC	±	COUNT	±	NET	BKG	S/N	SIZE	RECO	R′	SRC	ID
#	#	(1950)	(1950)	"	RATE		CTS	CTS		COR			FLG	
3009	1L	13 13 59.4	29 21 17	37	1.848	0.043	4269.2	2444.8	43.3	2.1	0	14.0	A	S



SAO 100517 STAR (MISPOINT)

FIELD CENTER: 13^h15^m47.0^s 18°02'01" (B1950) 13^h18^m13.6^s 17°46'15" (J2000)

ℓ: 337.76 b: 78.79

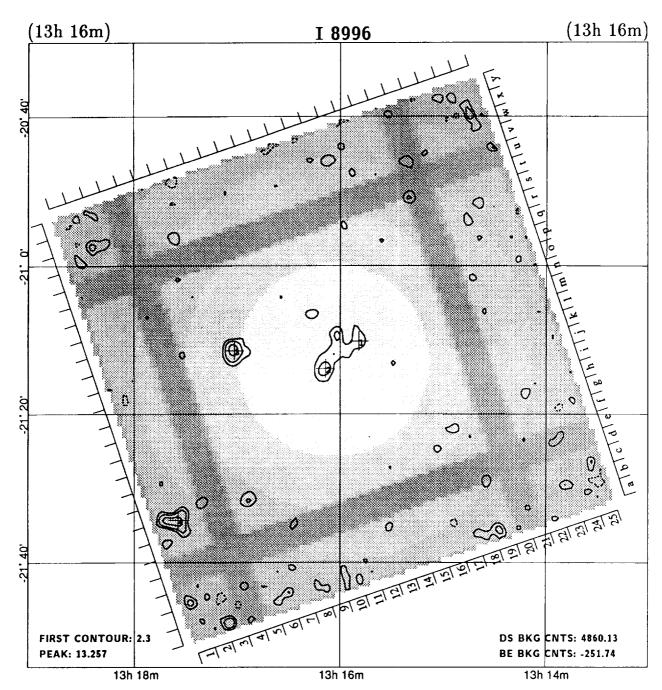
DATE: 1981/ 24 - 1981/ 25 LIVETIME: 20026.3s

ROLL ANGLE: -103.9°

NH: 1.8E+20 REF/ID:

FIELD FLAGS: LS

CAT	FLD	RA	DEC	±	COUNT	±	NET	BKG	S/N	SIZE	RECO	R'	SRC	ID
#	#	(1950)	(1950)	"	RATE		стѕ	CTS		COR			FLG	
3012	1L	13 14 56.4	18 00 36	38	0.0096	0.0013	121.3	69.7	7.2	0.9	0	12.2		
3024	2L	13 17 50.8	18 01 57	47	0.0736	0.0040	539.6	98.4	18.5	1.4	100	29.4		



DISTANCE 4 ABELL CLUSTERS: ABELL 1709

FIELD CENTER: 13h16m01.0s -21°12'06" (B1950) 13h18m43.4s -21°27'52" (J2000)

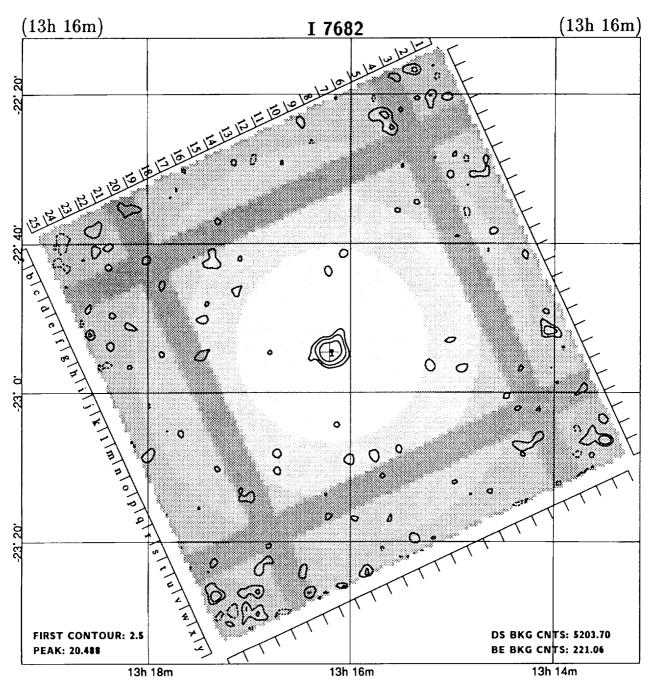
ℓ: 311.35 b: 40.96

DATE: 1980/363 - 1980/363 LIVETIME: 3938.3s

REF/ID: ROLL ANGLE: -108.7° FIELD FLAGS:

NH: 8.0E+20

CAT	FLD	RA	DEC	±	COUNT	±	NET	BKG	S/N	SIZE	RECO	R'	SRC	ID
#	#	(1950)	(1950)	"	RATE		CTS	CTS		COR			FLG	
3013	1	13 15 49.0	-21 10 11	41	0.0067	0.0019	19.0	10.0	3.5	3.6	0	2.9		
3014	2	13 16 08.4	-21 13 50	36	0.0101	0.0022	29.4	10.6	4.6	2.6	0	3.0	Н	
3020	3	13 17 01.6	-21 11 27	41	0.0153	0.0028	37.0	10.0	5.4	1.0	0	14.3	Н	
3023	4	13 17 34.6	-21 34 17	53	0.0171	0.0040	23.5	6.5	4.3	1.3	0	31.1	н	



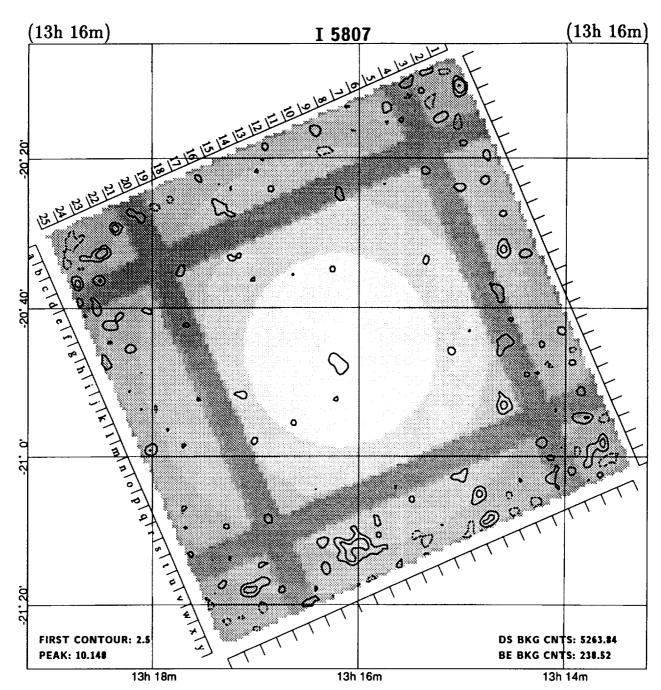
GAM HYA, CORONAE/WINDS DIVISION AMONG LATE-TYPE STARS

FIELD CENTER: 13^h16^m11.9^s -22°54′29″ (B1950) 13^h18^m55.1^s -23°10′15″ (J2000)

 $13^{h}18^{m}55.1^{s} - 23^{o}10'15''$ (J20 ℓ : 311.10 b: 39.26

DATE: 1980/209 - 1980/210 LIVETIME: 4216.7s ROLL ANGLE: 65.1° NH: 8.0E+20 REF/ID: FIELD FLAGS:

CAT	FLD	RA	DEC	±	COUNT	±	NET	BKG	S/N	SIZE	RECO	R′	SRC	ID
#	#	(1950)	(1950)	"	RATE		CTS	CTS		COR			FLG	
3016	1	13 16 12.4	-22 54 32	31	0.0330	0.0035	103.5	13.5	9.6	1.4	0	0.2	н	



NORMAL GALAXIES: N5068

FIELD CENTER: 13^h16^m12.0^s -20°46'35" (B1950) 13^h 18^m 54.2^s -21°02′21″ (J2000)

ℓ: 311.48 b: 41.38

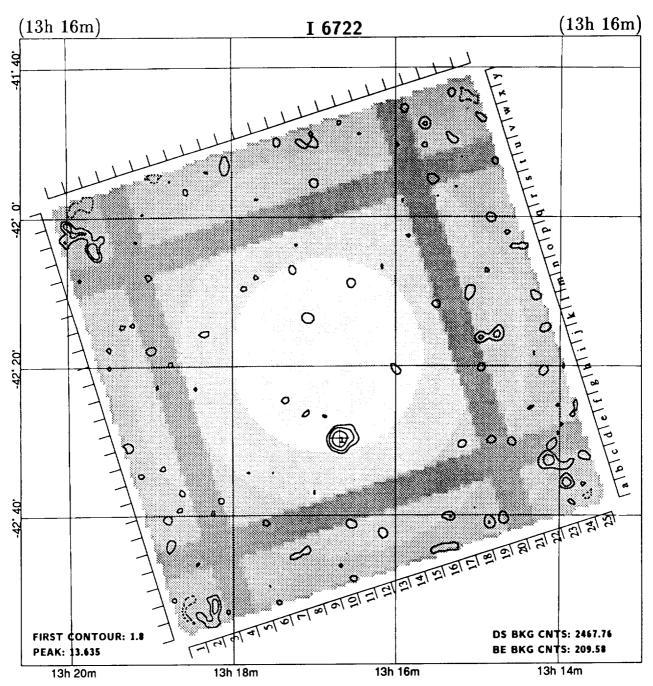
DATE: 1980/204 - 1980/204 LIVETIME: 4265.4s

ROLL ANGLE: 66.4°

REF/ID: !

FIELD FLAGS:

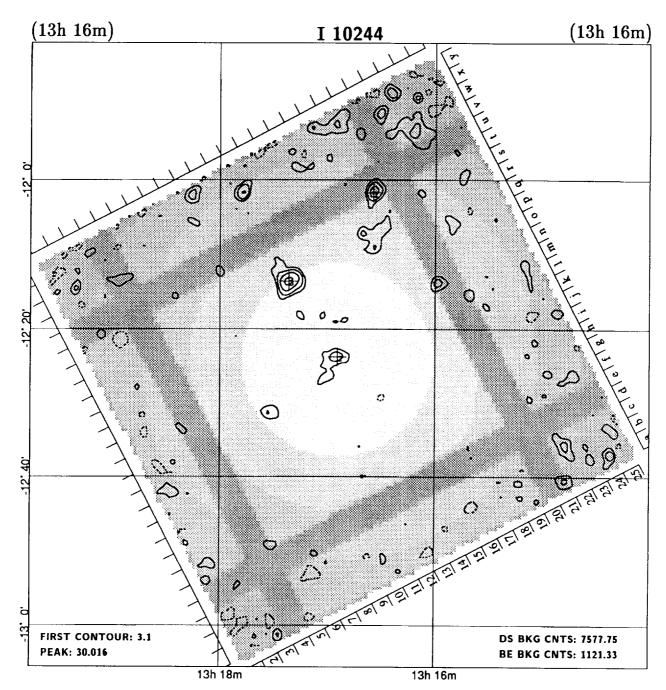
NH: 7.9E+20



EXTENDED EMISSION FROM CEN-A RADIO LOBES, POS 2

FIELD CENTER: $13^{h}16^{m}48.0^{s}$ -42°17′59″ (B1950) $13^{h}19^{m}42.2^{s}$ -42°33′44″ (J2000) ℓ : 308.47 b: 20.01 DATE: 1980/ 9 - 1980/ 9 LIVETIME: 1999.7s ROLL ANGLE: -107.4° NH: 8.9E+20 REF/ID: FIELD FLAGS:

CAT #	FLD #	RA (1950)	DEC (1950)	± "	COUNT RATE	±	NET CTS	BKG CTS	S/N	SIZE COR	RECO	R'	SRC II	ID
3018	1	13 16 41.2	-42 29 37	41	0.0369	0.0056	48.1	5.9	6.5	1.2	0	11.4	н	



N 5077: E & SO GALAXIES W/ COMPACT NUCLEAR RADIO CORES

DATE: 1981/ 32 - 1981/ 32

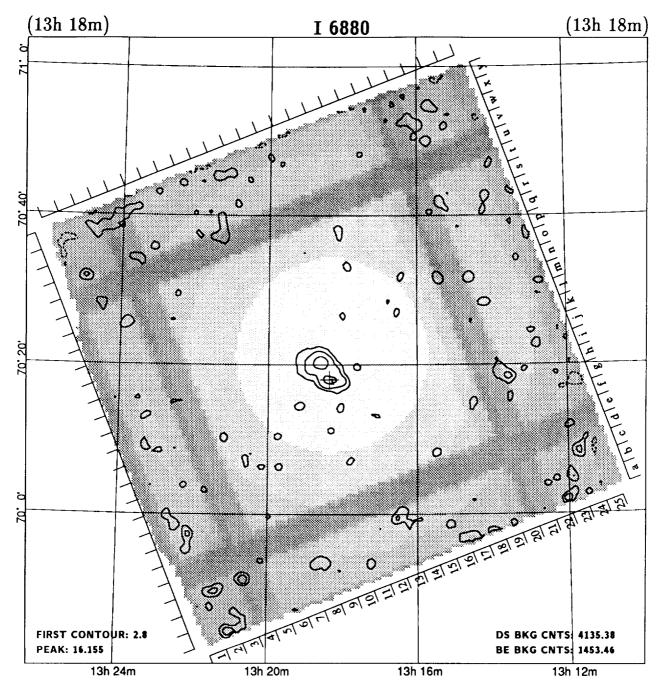
FIELD CENTER: 13^h 16^m 52.9^s -12°23'37" (B1950) 13^h 19^m 31.6^s -12° 39′ 22″ (J2000)

ℓ: 313.55 b: 49.64

LIVETIME: 6140.5s ROLL ANGLE: -117.6°

NH: 3.1E+20 REF/ID: FIELD FLAGS:

CAT #	FLD #	RA (1950)	DEC (1950)	± "	COUNT RATE	±	NET CTS	BKG CTS	S/N	SIZE COR	RECO	R'	SRC FLG	ID
3017	1	13 16 34.7	-12 01 42	51	*0.0119	0.0024	33.9	14.1	4.9	0.9	1007	22.2	н	
3019	2	13 16 54.5	-12 23 47	36	0.0070	0.0016	32.1	21.9	4.4	1.2	0	0.4	н	G
3022	3	13 17 21.7	-12 13 39	38	0.0230	0.0027	89.1	16.9	8.6	1.2	0	12.0	Н	-

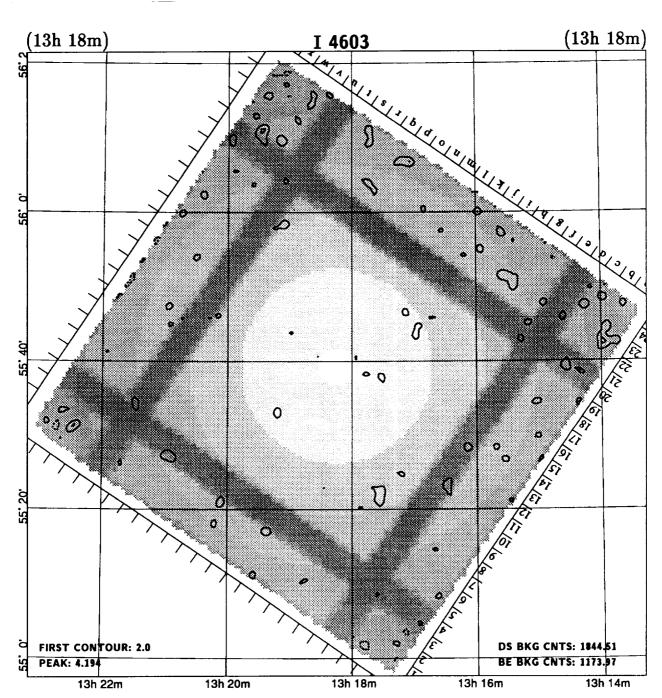


A1722,CLUSTER LUMINOSITIES @ Z=0.25.

FIELD CENTER: $13^h18^m12.0^s$ $70^\circ21'59''$ (B1950) $13^h19^m42.9^s$ $70^\circ06'16''$ (J2000) ℓ : 119.42 b: 46.83

DATE: 1980/358 - 1980/358 LIVETIME: 3351.0₆ ROLL ANGLE: -111.4° NH: 1.5E+20 REF/ID: FIELD FLAGS: L

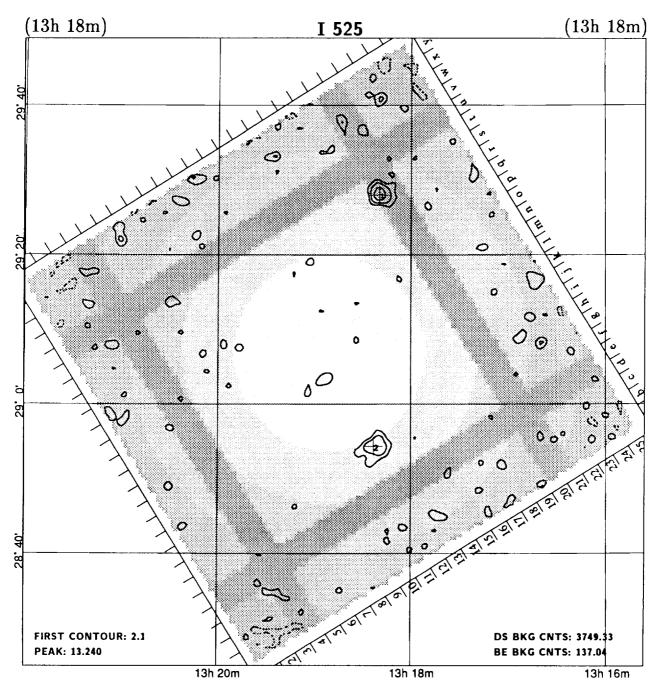
CAT	FLD	RA	DEC	±	COUNT	±	NET	BKG	S/N	SIZE	RECO	R'	SRC	ID
#	#	(1950)	(1950)	"	RATE		CTS	CTS		COR			FLG	
3026	1L	13 18 21.4	70 17 59	35	0.0170	0.0044	41.7	36.3	3.8	2.9	0	4.1		CLG



MKN 252: S-TYPE MARKARIAN GALAXY

FIELD CENTER: $13^{h}18^{m}14.4^{s}$ $55^{o}39'39''$ (B1950) $13^{h}20^{m}15.2^{s}$ $55^{o}23'56''$ (J2000) ℓ : 114.42 b: 61.25

DATE: 1979/325 - 1979/325 LIVETIME: 1494.7s ROLL ANGLE: -145.7° NH: 1.4E+20 REF/ID: FIELD FLAGS:



TON 155/156 (QSO 1318+291) QUASAR SURVEY

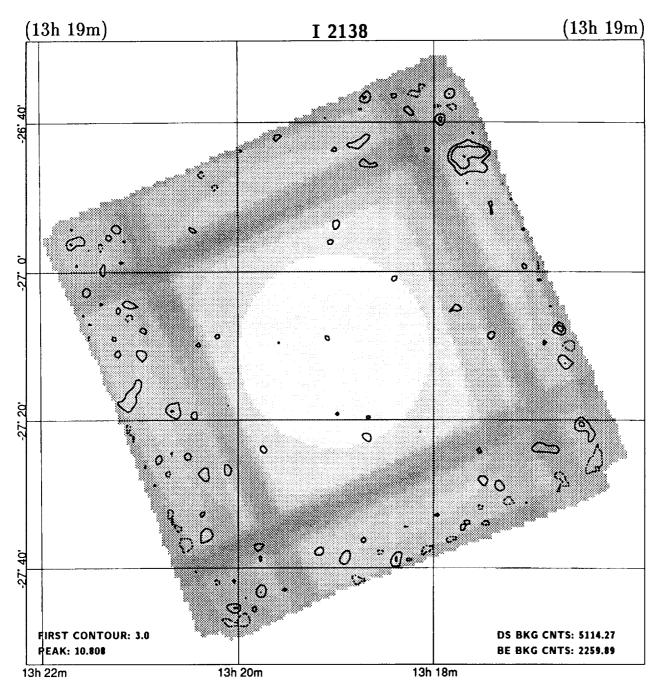
FIELD CENTER: 13^h18^m48.0^s 29°06′59" (B1950) 13^h21^m09.1^s 28°51′18" (J2000)

l: 49.41 b: 83.22

DATE: 1978/352 - 1978/352

LIVETIME: 3038.2s ROLL ANGLE: -121.8° NH: 1.2E+20 REF/ID: FIELD FLAGS:

CAT	FLD	RA	DEC	±	COUNT	±	NET	BKG	S/N	SIZE	RECO	R'	SRC	ID
#	#	(1950)	(1950)	"	RATE		CTS	CTS		COR			FLG	
3025	1	13 18 19.7	29 28 00	51	*0.0219	0.0042	31.6	5.4	5.2	1.1	1007	21.8	Н	
3027	2	13 18 23.1	28 54 25	42	0.0178	0.0034	33.0	8.0	5.2	1.5	0	14.4	н	



X-RAY SURVEY OF NORMAL GALAXIES: NGC5101

FIELD CENTER: 13^h19^m00.0^s -27°10'59" (B1950) 13^h21^m45.6^s -27°26'41" (J2000)

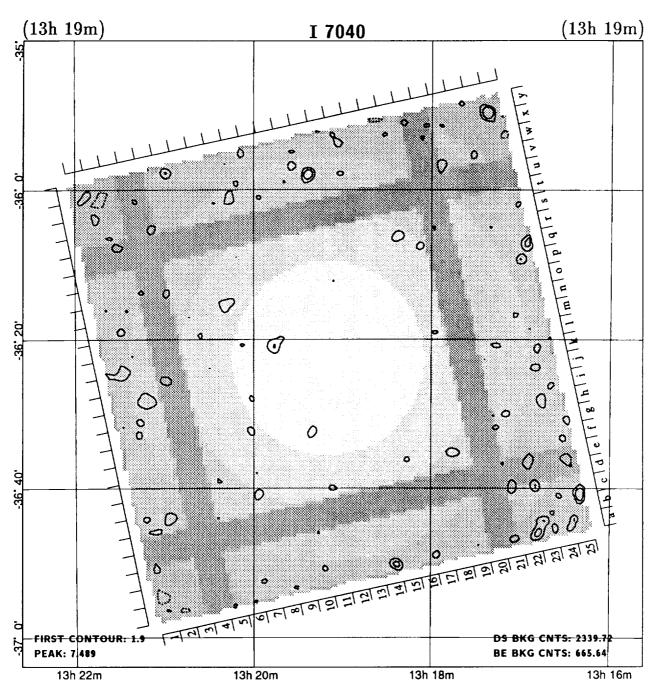
ℓ: 311.14 b: 34.94

DATE: 1979/ 8 - 1980/209

LIVETIME: 4144.2s RE

REF/ID: FIELD FLAGS: L

NH: 5.0E+20



NGC 5102, EARLY GALAXY SURVEY

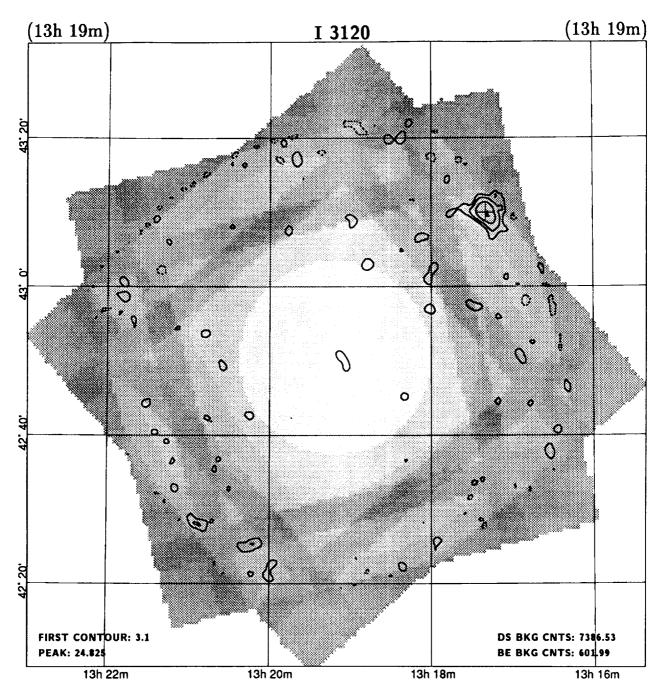
FIELD CENTER: 13^h19^m07.0^s -36°22'05" (B1950) 13^h21^m57.8^s -36°37'46" (J2000)

ℓ: 309.73 b: 25.84

DATE: 1980/ 10 - 1980/ 10 LIVETIME: 1896.0s

ROLL ANGLE: -102.2°

NH: 4.7E+20 REF/ID: FIELD FLAGS:



3C 285: OPTICAL OBJECTS IN THE LOBES OF RADIO GALAXIES

FIELD CENTER: 13^h19^m10.0^s 42°50′59" (B1950) 13^h21^m22.6^s 42°35′18" (12000)

 $13^{h}21^{m}22.6^{s}$ $42^{\circ}35'18''$ (J2000) ℓ : 103.34 b: 73.38

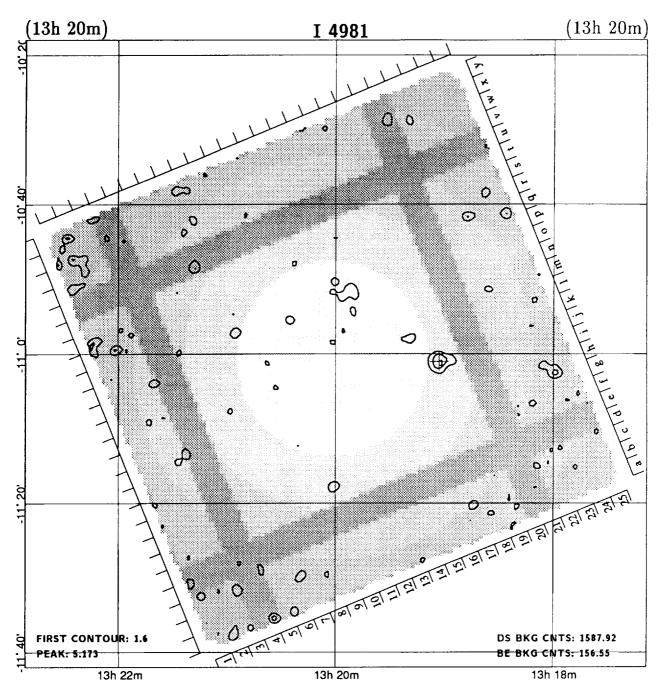
DATE: 1979/168 - 1980/ 8

LIVETIME: 5985.5s

NH: 1.3E+20 REF/ID:

FIELD FLAGS:

CAT	FLD	RA	DEC	±	COUNT	±	NET	BKG	S/N	SIZE	RECO	R'	SRC	ID
#	#	(1950)	(1950)	"	RATE		CTS	CTS		COR			FLG	
3021	1	13 17 19.7	43 09 58	50	0.0248	0.0036	56.1	11.9	6.8	1.6	100	27.7	Н	



SOFT SOURCE NEAR ALPHA VIR #1

FIELD CENTER: 13^h20^m00.0^s -10^o59'59" (B1950) 13^h22^m38.3^s -11^o15'39" (J2000)

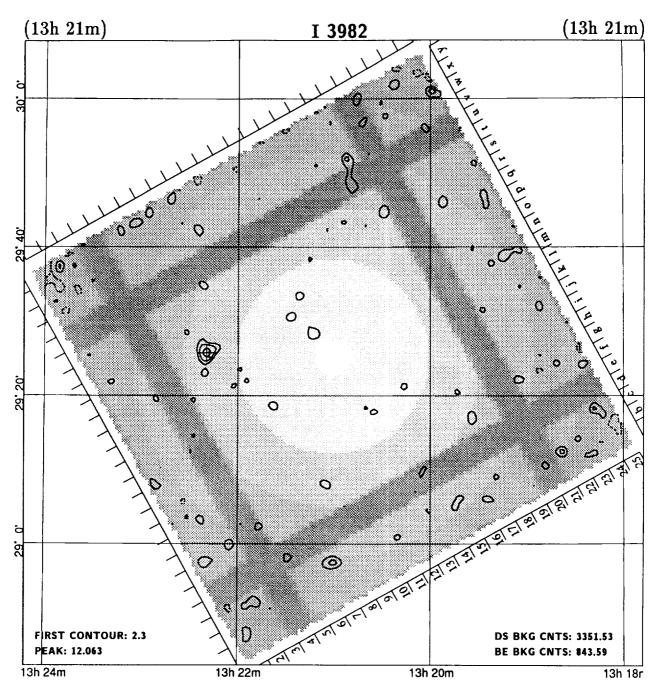
l: 315.11 b: 50.87

DATE: 1980/ 17 - 1980/ 17 LIVETIME: 1286.7s

LIVETIME: 1286.7s REF/ID:
ROLL ANGLE: -112.2° FIELD FLAGS:

NH: 2.6E+20

CAT	FLD	RA	DEC	±	COUNT	±	NET	BKG	S/N	SIZE	RECO	R'	SRC	ID
#	#	(1950)	(1950)	"	RATE		CTS	CTS		COR			FLG	
3028	1	13 19 02.8	-11 01 01	46	0.0217	0.0058	16.7	3.3	3.7	0.9	0	14.0	н	



TON 157, BRIGHT OPTICALLY-SELECTED QUASAR

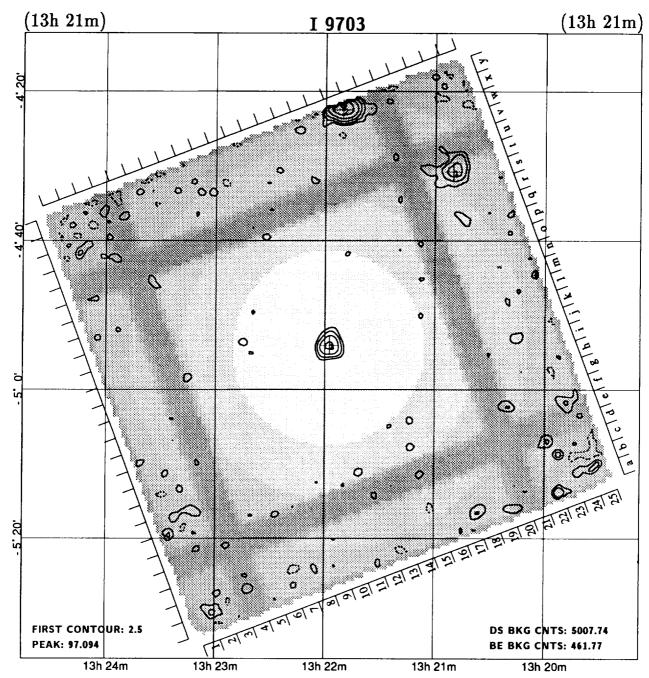
FIELD CENTER: 13^h21^m00.0^s 29°25'44" (B1950) 13^h23^m20.6^s 29°10'06" (J2000)

13"23" 20.6" 29"10'06" (J2000) £: 50.97 b: \$2.68 DATE: 1979/347 - 1979/347 LIVETIME: 2715.9s

ROLL ANGLE: -119.2°

NH: 1.2E+20 REF/ID: FIELD FLAGS:

CAT	FLD	RA	DEC	±	COUNT	±	NET	BKG	S/N	SIZE	RECO	R'	SRC	ID
#	#	(1950)	(1950)	"	RATE		CTS	CTS		COR			FLG	
3037	1	13 22 19.6	29 25 46	51	0.0198	0.0041	29.9	8.1	4.9	0.8	0	17.5	Н	

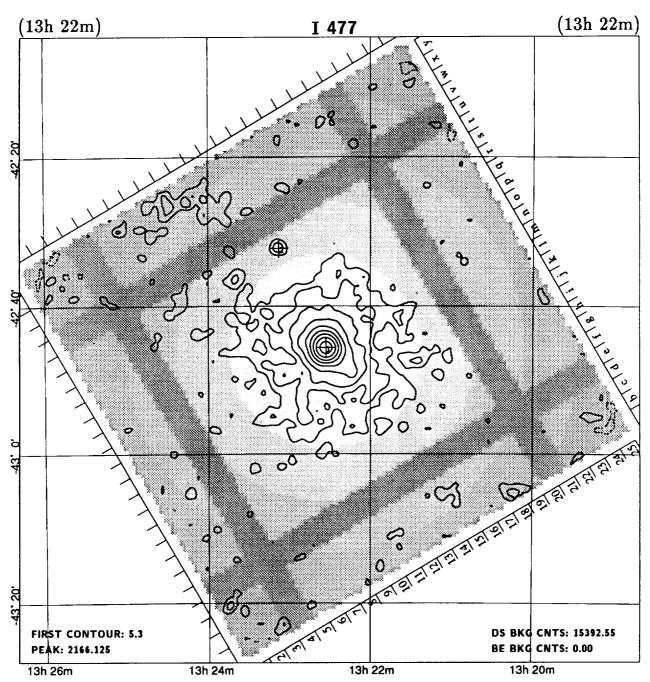


F0-G5 STARS: HR 5050

FIELD CENTER: $13^{h}21^{m}56.9^{s} -04^{\circ}54'11''$ (B1950) $13^{h}24^{m}32.7^{s} -05^{\circ}09'48''$ (J2000) ℓ : 318.08 b: 56.73

DATE: 1981/ 32 - 1981/ 32 LIVETIME: 4057.96 ROLL ANGLE: -110.7° NH: 2.5E+20 REF/ID: FIELD FLAGS:

CAT #	FLD #	RA (1950)	DEC (1950)	± "	COUNT RATE	±	NET CTS	BKG CTS	S/N	SIZE COR	RECO	R'	SRC FLG	1D
3030	1	13 20 50.1	-04 30 45	51	*0.0221	0.0043	32.6	7.4	5.2	1.6	601	28.5	Н	
3033	2	13 21 50.6	-04 22 27	48	*0.118	0.011	128.3	8.7	11.0	1.3	704	31.9	EH	
3034	3	13 21 57.5	-04 54 05	31	0.0336	0.0035	101.8	13.2	9.5	1.1	0	0.4	н	s



CEN-A INNER RADIO LOBES

FIELD CENTER: 13^h22^m30.0^s -42°45'57" (B1950) 13^h25^m26.0^s -43°01'33" (J2000)

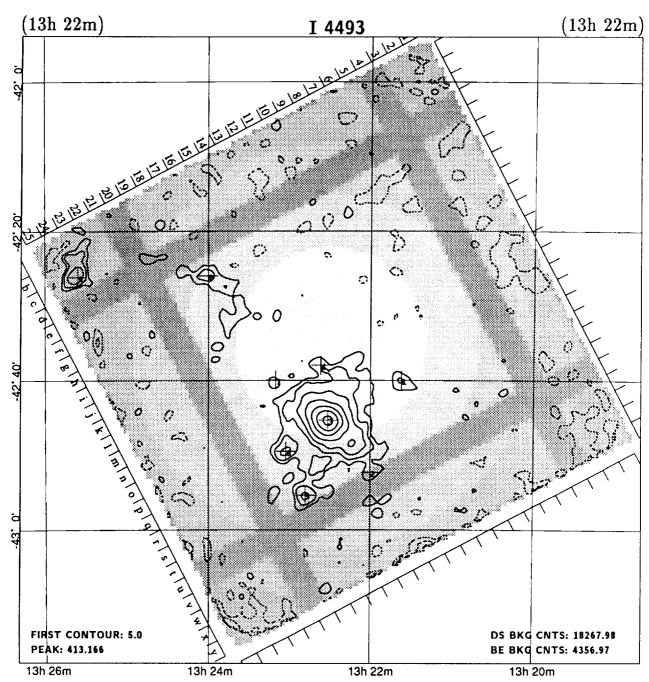
ℓ: 309.51 b: 19.41

DATE: 1979/ 35 - 1979/ 35 LIVETIME: 12473.0s

ROLL ANGLE: -120.4°

NH: **8.3E+20** REF/ID: FIELD FLAGS: L

CAT	FLD	RA	DEC	±	COUNT	±	NET	BKG	S/N	SIZE	RECO	R'	SRC	D
#	#	(1950)	(1950)	"	RATE		CTS	CTS		COR			FLG	
3038	1L	13 22 33.0	-42 45 35	31	0.836	0.011	7772.5	593.5	75.6	1.7	0	0.7	Α	G
3045	2L	13 23 07.8	-42 32 15	55	0.0060	0.0014	44.1	28.9	4.1	0.6	200	15.4		

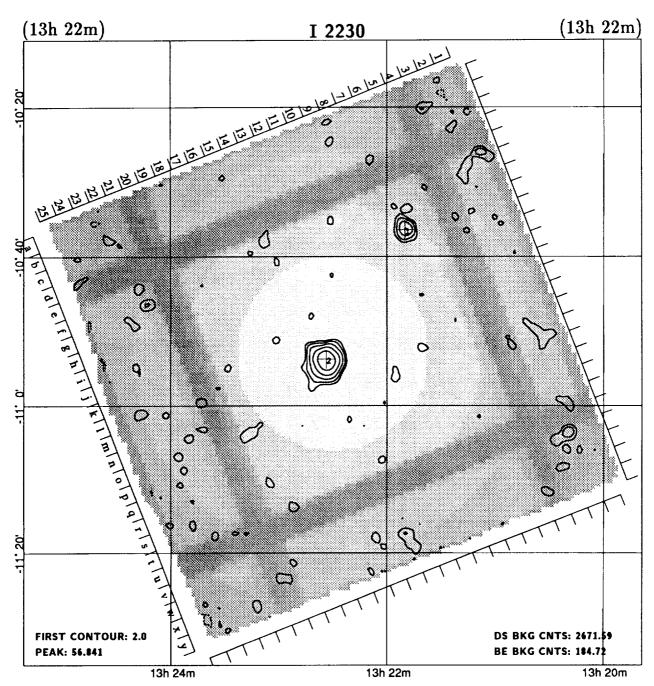


CEN A FOLLOW-UP

FIELD CENTER: $13^{h}22^{m}30.0^{s}$ -42°35′59″ (B1950) $13^{h}25^{m}25.8^{s}$ -42°51′35″ (J2000) ℓ : 309.53 b: 19.58

DATE: 1979/214 - 1979/215 LIVETIME: 14803.16 ROLL ANGLE: 62.2° NH: 8.4E+20 REF/ID: G FIELD FLAGS:

CAT	FLD	RA	DEC	±	COUNT	±	NET	BKG	S/N	SIZE	RECO	R'	SRC	ID
#	#	(1950)	(1950)	"	RATE		CTS	CTS		COR			FLG	
3031	1	13 21 37.1	-42 39 58	45	0.00369	0.00097	35.9	53.1	3.8	0.9	0	10.5	н	
3035	2	13 22 00.2	-42 52 16	62	*0.0044	0.0010	35.3	35.7	4.2	102.2	906	17.0	н	
3038	3	13 22 31.4	-42 45 19	37	0.1552	0.0040	1526.1	51.9	38.4	2.5	0	9.2	AH	G
3040	4	13 22 36.7	-42 37 58	37	0.00432	0.00092	46.7	51.3	4.7	118.5	0	2.6	Н	
3042	5	13 22 48.2	-42 55 19	50	*0.0084	0.0014	62.7	43.3	6.1	45.3	501	19.6	Н	
3044	6	13 23 02.5	-42 49 29	50	0.0099	0.0013	85.5	48.5	7.4	44.2	0	15.1	Н	
3047	7	13 23 10.4	-42 39 56	48	0.00326	0.00090	32.6	49.4	3.6	0.4	0	8.5	Н	
3051	8	13 24 00.2	-42 25 58	51	0.0054	0.0012	42.0	43.0	4.6	1.7	100	19.6	Н	
3056	9	13 25 36.0	-42 26 07	54	0.0141	0.0024	53.9	29.1	5.9	1.5	200	35.7	н	



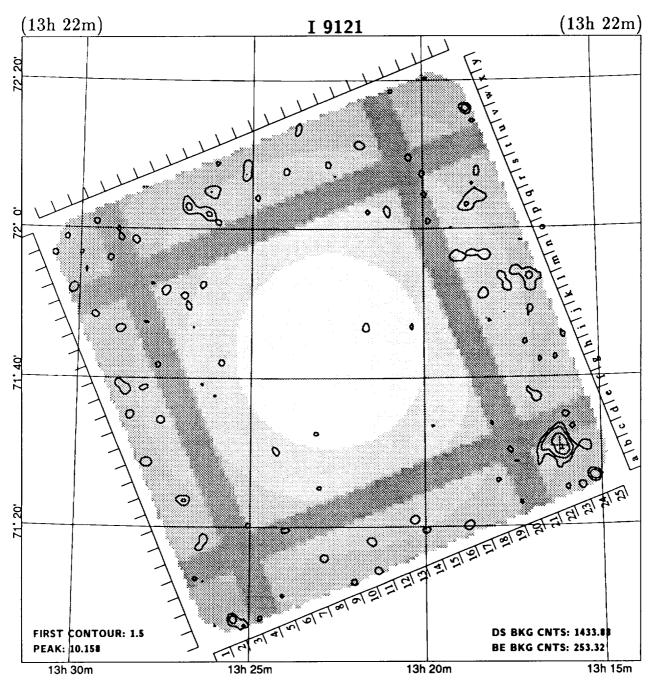
STELLAR SURVEY-EARLY TYPE STARS: HD116658=ALPHA VIR

FIELD CENTER: 13^h22^m30.0^s -10^o52'59" (B1950) 13^h25^m08.4^s -11^o08'35" (J2000)

13" 25" 08.4" -11" 08" 35" (32 l: 316.10 b: 50.86 DATE: 1979/182 - 1979/182

LIVETIME: 2164.9s ROLL ANGLE: 68.6° NH: 2.7E+20 REF/ID: FIELD FLAGS:

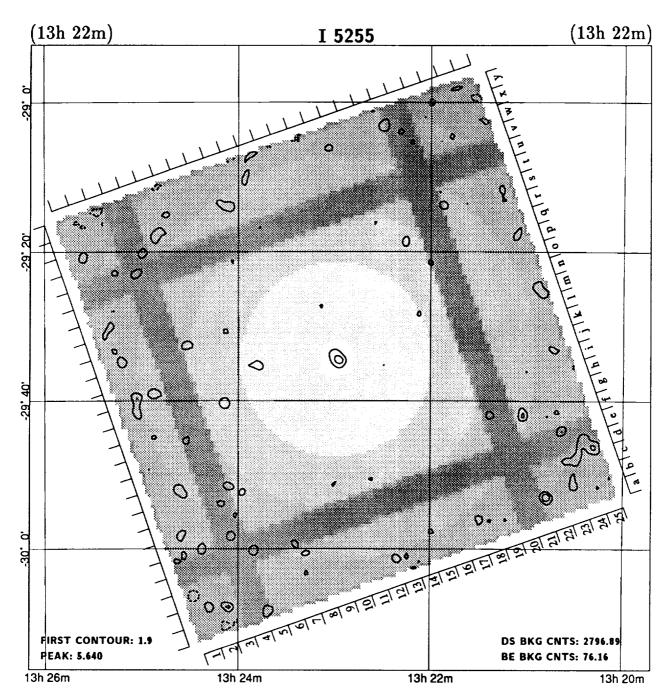
CAT	FLD	RA	DEC	±	COUNT	±	NET	BKG	S/N	SIZE	RECO	R'	SRC	ID
#	#	(1950)	(1950)	"	RATE		CTS	CTS		COR			FLG	
3032	1	13 21 49.9	-10 36 25	50	0.0336	0.0058	38.0	5.0	5.8	0.9	0	19.4	Н	
3039	2	13 22 33.7	-10 53 48	31	0.158	0.010	254.5	7.5	15.7	1.5	0	1.5	AH	S



CLUSTER OF GALAXY SURVEY: A1741d,f

FIELD CENTER: $13^h 22^m 42.0^s$ $71^o 43'59''$ (B1950) $13^h 24^m 04.2^s$ $71^o 28'23''$ (J2006) ℓ : 119.25 b: 45.42 DATE: 1980/358 - 1980/358 LIVETIME: 1161.9s ROLL ANGLE: -112.0° NH: 1.5E+20 REF/ID: FIELD FLAGS:

CAT	FLD	RA	DEC	±	COUNT	±	NET	BKG	S/N	SIZE	RECO	R'	SRC	ID
#	#	(1950)	(1950)	"	RATE		стѕ	CTS		COR			FLG	
3015	1	13 16 10.8	71 30 39	54	*0.049	0.013	16.8	2.2	3.9	1.6	501	33.8	Н	



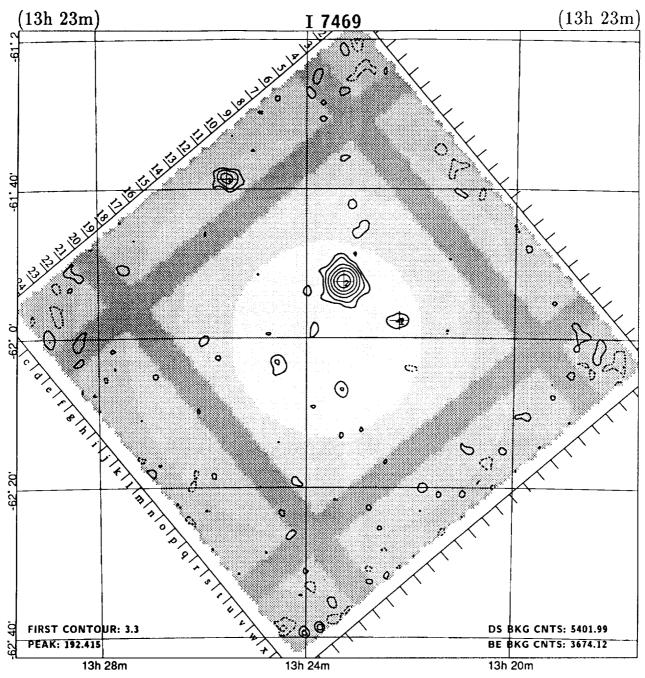
NGC 5135,X-RAY AND OPTICAL STUDY OF NEARBY SEYFERT 2 GALAXIES

FIELD CENTER: 13^h22^m56.0^s -29°34′17" (B1950) 13^h25^m43.4^s -29°49′53" (J2000)

ℓ: 311.75 b: 32.45

DATE: 1980/ 9 - 1980/ 9 LIVETIME: 2266.4s ROLL ANGLE: -109.2°

NH: 4.6E+20 REF/ID: ! FIELD FLAGS:

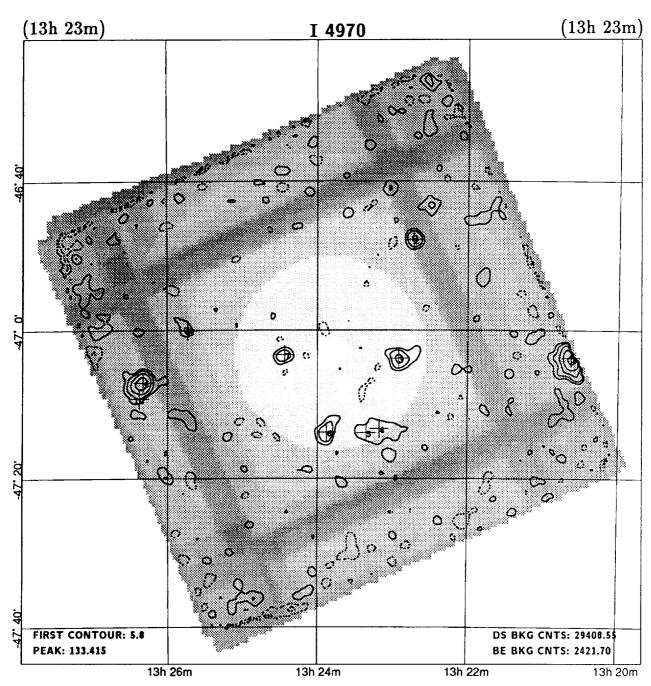


4U1323-62, SOURCE IDENTIFICATION AND STRUCTURE

FIELD CENTER: $13^{h}23^{m}36.0^{s}$ -62°00′53″ (B1950) $13^{h}26^{m}55.7^{s}$ -62°16′27″ (J2000) ℓ : 307.05 b: 0.31

DATE: 1980/233 - 1980/233 LIVETIME: 4377.4s ROLL ANGLE: 50.1° NH: 1.7E+21 REF/ID: FIELD FLAGS:

CAT	FLD	RA	DEC	±	COUNT	±	NET	BKG	S/N	SIZE	RECO	R'	SRC	ID
#	#	(1950)	(1950)	"	RATE		CTS	CTS		COR			FLG	
3036	1	13 22 12.9	-61 57 39	45	0.0094	0.0024	27.5	21.5	3.9	0.7	0	10.5		$\neg \neg$
3048	2	13 23 17.0	-61 52 25	37	0.2207	0.0087	664.3	22.7	25.3	1.2	0	9.0	Н	- 1
3055	3	13 25 31.9	-61 38 42	51	0.0211	0.0040	39.2	14.8	5.3	1.0	0	26.2	н	

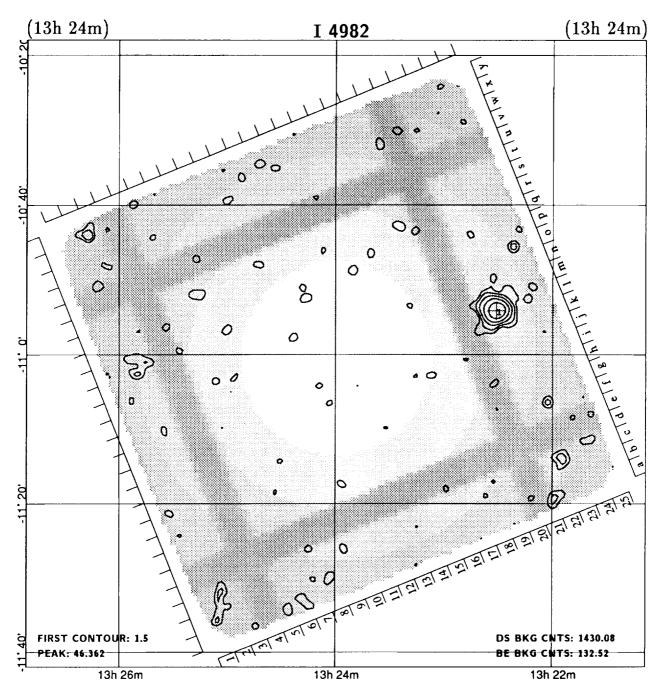


NGC5139, SEARCH FOR GLOBULAR CLUSTER WINDS

FIELD CENTER: $13^h23^m48.0^s$ -47°02′59″ (B1950) $13^h26^m48.0^s$ -47°18′33″ (J2000) ℓ : 309.13 b: 15.14

DATE: 1980/ 25 - 1980/204 LIVETIME: 23830.6s NH: 1.0E+21 REF/ID: GLB FIELD FLAGS:

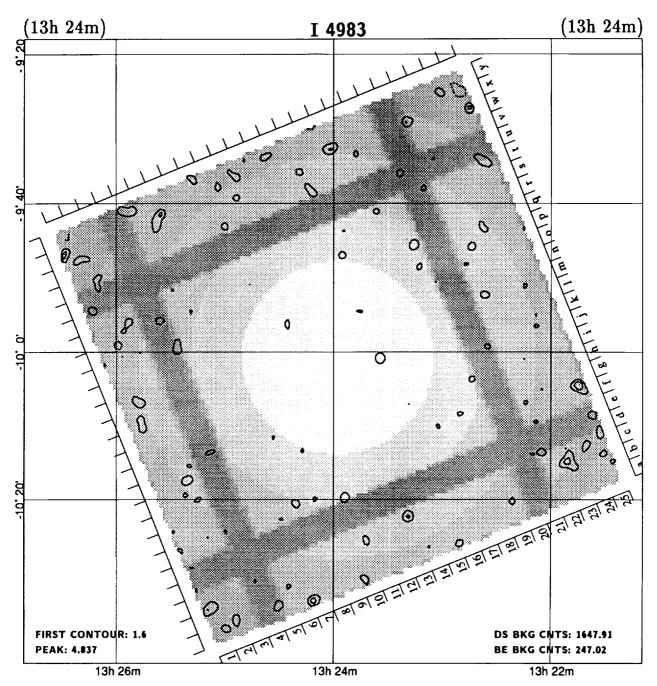
CAT	FLD	RA	DEC	±	COUNT	±	NET	BKG	S/N	SIZE	RECO	R'	SRC	ID
#	#	(1950)	(1950)	"	RATE		стѕ	CTS		COR			FLG	
3029	1	13 20 37.9	-47 03 39	47	*0.0455	0.0031	245.5	39.5	14.5	1.4	704	32.4	EH	
3041	2	13 22 43.2	-46 47 51	50	*0.00567	0.00086	71.3	45.7	6.6	0.8	1108	18.9		
3043	3	13 22 55.0	-47 03 46	38	0.00641	0.00083	103.2	74.8	7.7	1.1	0	9.0	Н	GLB
3046	4	13 23 10.3	-47 13 19	45	0.00286	0.00071	43.6	74.4	4.0	1.9	0	12.2	Н	t
3049	5	13 23 20.8	-47 13 51	46	0.00279	0.00069	42.7	70.3	4.0	2.1	0	11.8		GLB
3050	6	13 23 52.8	-47 13 47	41	0.00542	0.00080	85.1	73.9	6.8	1.0	0	10.6	Н	GLB
3052	7	13 24 26.3	-47 03 15	41	0.00403	0.00072	67.5	77.5	5.6	0.7	0	6.5		GLB
3057	8	13 25 43.5	-47 00 03	65	*0.00255	0.00072	31.4	47.6	3.5	0.8	906	19.8		
3061	9	13 26 19.1	-47 07 04	48	*0.0156	0.0014	155.5	49.5	10.9	1.2	501	26.1	н	GLB
3062	10	13 26 22.3	-47 09 14	56	0.00353	0.00095	34.0	49.0	3.7	4.6	0	27.0		ţ



SOFT SOURCE NEAR ALPHA VIR #2

FIELD CENTER: $13^h 24^m 00.0^s - 10^\circ 59' 59''$ (B1950) $13^h 26^m 38.5^s - 11^\circ 15' 33''$ (J2000) ℓ : 316.63 b: 50.67 DATE: 1980/ 17 - 1980/ 17 LIVETIME: 1158.8s ROLL ANGLE: -111.9° NH: 2.7E+20 REF/ID: FIELD FLAGS:

ſ	CAT	FLD	RA	DEC	±	COUNT	±	NET	BKG	S/N	SIZE	RECO	R'	SRC	ID
	#	#	(1950)	(1950)	"	RATE		CTS	CTS		COR			FLG	
	3039	1	13 22 30.9	-10 54 08	48	0.224	0.021	121.9	3.1	10.9	1.5	0	22.9	AH	S



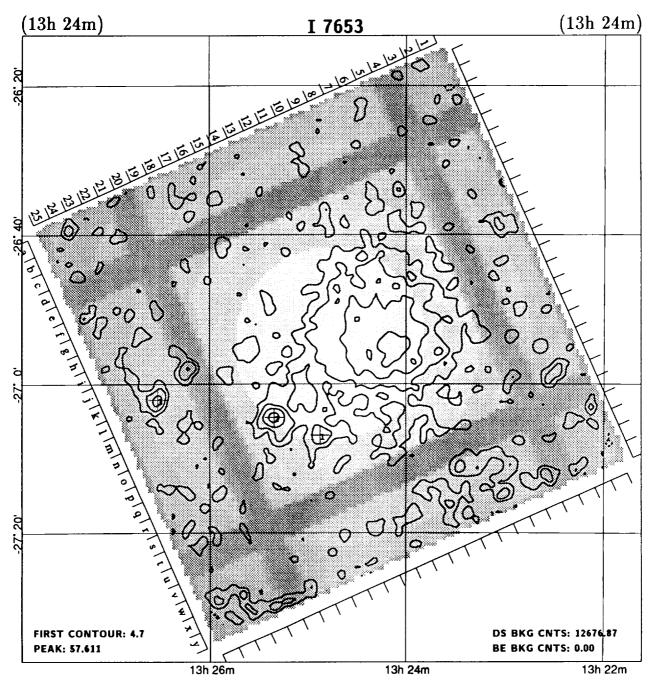
SOFT SOURCE NEAR ALPA VIR #3

FIELD CENTER: 13^h24^m00.0^s -09°59'59" (B1950) 13^h26^m38.1^s -10°15'33" (J2000)

ℓ: 316.97 b: 51.65

DATE: 1980/ 16 - 1980/ 17 LIVETIME: 1335.4s ROLL ANGLE: -111.9°

NH: 2.6E+20 REF/ID: FIELD FLAGS:



ABELL 1736, CLUSTERS OF GALAXIES W/UNUSUAL OPTICAL MORPHOLOGY

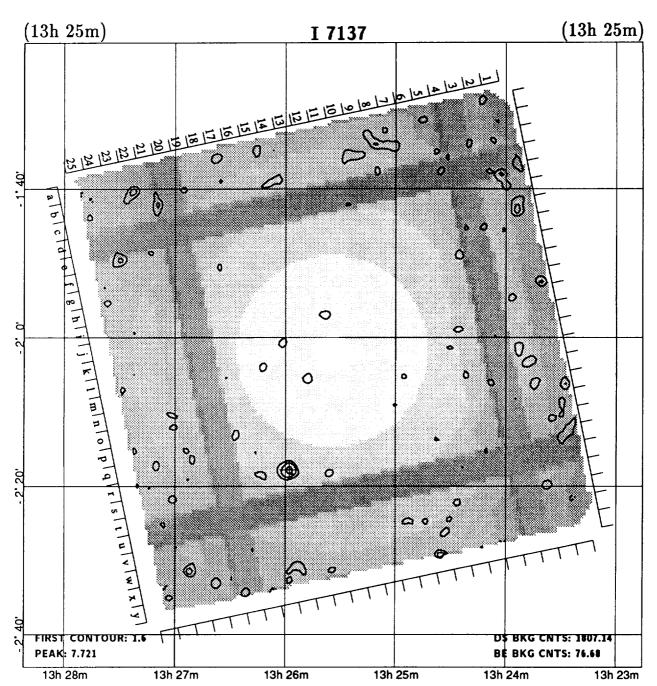
FIELD CENTER: $13^{h}24^{m}46.0^{s}$ $-26^{o}55'24''$ (B1950) $13^{h}27^{m}32.3^{s}$ $-27^{o}10'57''$ (J2000) ℓ : 312.74 b: 35.00

LIVETIME: 10272.46 ROLL ANGLE: 66.0°

DATE: 1980/208 - 1980/209

NH: 5.0E+20 REF/ID: FIELD FLAGS: LS

CAT	FLD	RA	DEC	±	COUNT	±	NET	BKG	S/N	SIZE	RECO	R'	SRC	ID
#	#	(1950)	(1950)	"	RATE		CTS	CTS		COR			FLG	
3053	1L	13 24 52.6	-27 06 54	42	0.0069	0.0018	44.9	50.1	3.6	70.9	0	11.6		
3054	2L	13 25 20.7	-27 04 29	38	0.0212	0.0026	138.0	64.0	8.1	27.4	0	11.9		
3063	3L	13 26 31.9	-27 02 07	51	0.0124	0.0024	55.5	28.5	5.0	1.4	0	24.5		



H1325-020, UNIDENTIFIED HEAD A2 SOURCE

FIELD CENTER: 13^h25^m33.6³ -02°02′23″ (B1950) 13^h28^m08.3³ -02°17′55″ (J2000)

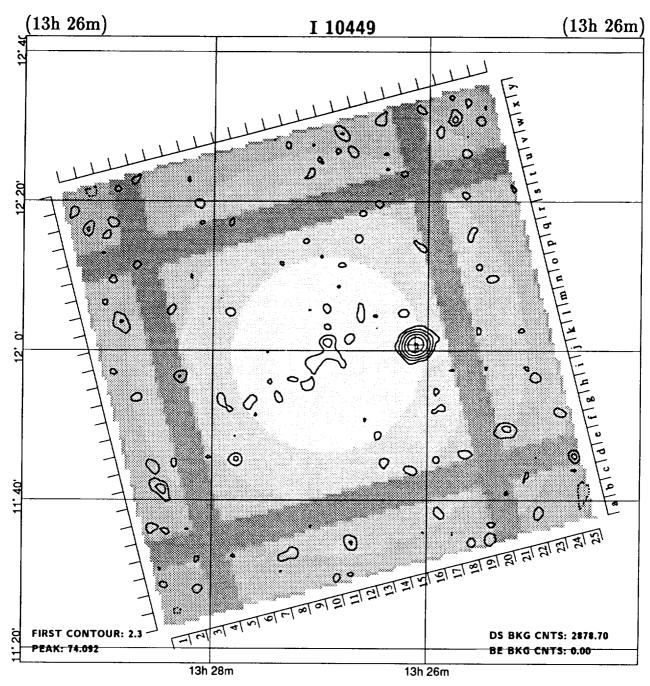
l: 321.10 b: 59.27

DATE: 1980/197 - 1980/197 LIVETIME: 1464.4s

ROLL ANGLE: 78.2°

NH: 2.3E+20 REF/ID: FIELD FLAGS:

CAT	FLD	RA	DEC	±	COUNT	±	NET	BKG	S/N	SIZE	RECO	R'	SRC	ID
#	#	(1950)	(1950)	#	RATE		CTS	CTS		COR			FLG	
3058	1	13 25 57.8	-02 17 48	52	0.0226	0.0057	18.5	3.5	3.9	0.8	0	16.5		

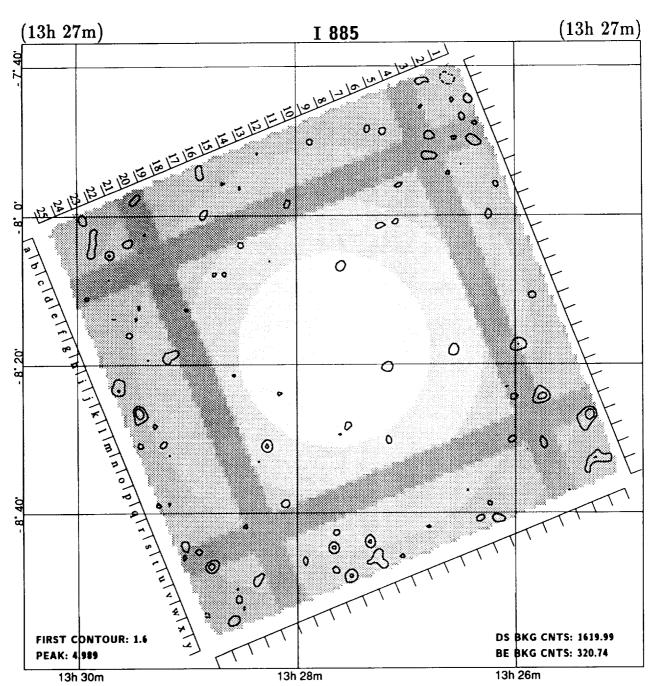


MKW 11,CD IN POOR CLUSTERS

FIELD CENTER: $13^{h}26^{m}54.0^{s}$ $11^{o}59'59''$ (B1950) $13^{h}29^{m}22.5^{s}$ $11^{o}44'31''$ (J2000) ℓ : 334.83 b: 72.22

DATE: 1981/ 29 - 1981/ 29 LIVETIME: 2332.76 ROLL ANGLE: -104.5° NH: 1.9E+20 REF/ID: FIELD FLAGS: L

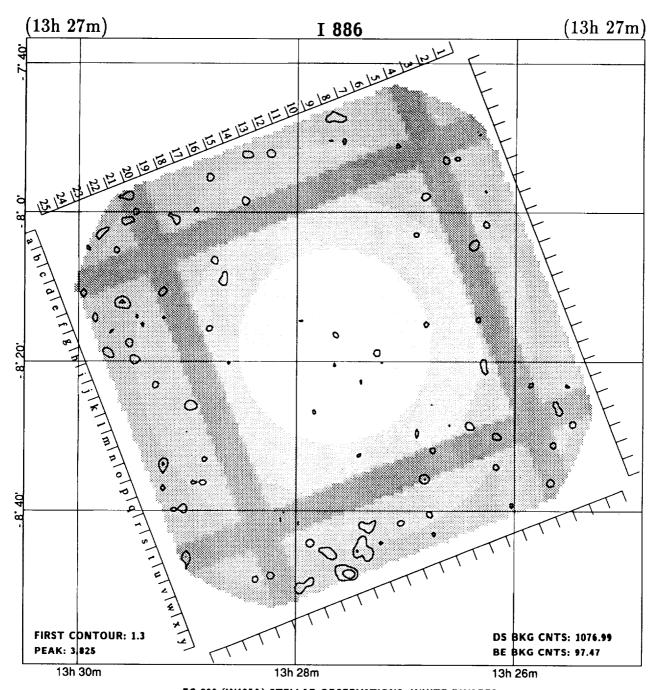
CAT	FLD	RA	DEC	±	COUNT	±	NET	BKG	S/N	SIZE	RECO	R'	SRC	ID
#	#	(1950)	(1950)	"	RATE		CTS	CTS		COR			FLG	
3059	1L	13 26 07.2	12 00 47	38	0.165	0.012	247.1	15.9	13.5	1.1	0	11.5		



EG 099 (W485A) STELLAR OBSERVATIONS, WHITE DWARFS

FIELD CENTER: $13^{h}27^{m}40.0^{s}$ $-08^{o}18'47''$ (B1950) $13^{h}30^{m}17.5^{s}$ $-08^{o}34'15''$ (J2000) ℓ : 319.06 b: 53.08

DATE: 1979/182 - 1979/182 LIVETIME: 1312.7s ROLL ANGLE: 68.1° NH: 2.5E+20 REF/ID: FIELD FLAGS: C



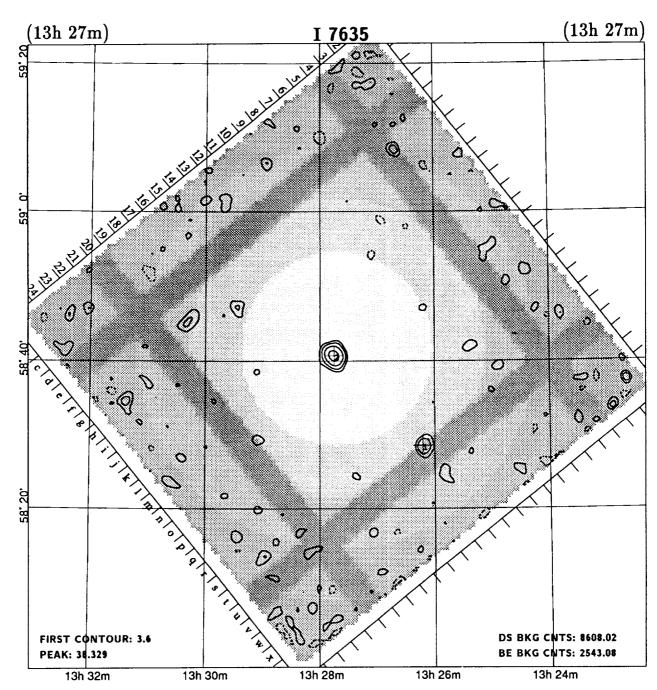
EG 099 (W485A) STELLAR OBSERVATIONS, WHITE DWARFS

FIELD CENTER: 13^h27^m40.0^s -08°18'47" (B1950) 13h 30m 17.5s -08° 34' 15" (J2000)

ℓ: 319.06 *b*: 53.08

DATE: 1979/213 - 1979/213 LIVETIME: \$72.7s ROLL ANGLE: 68.5°

NH: 2.5E+20 REF/ID: FIELD FLAGS: C

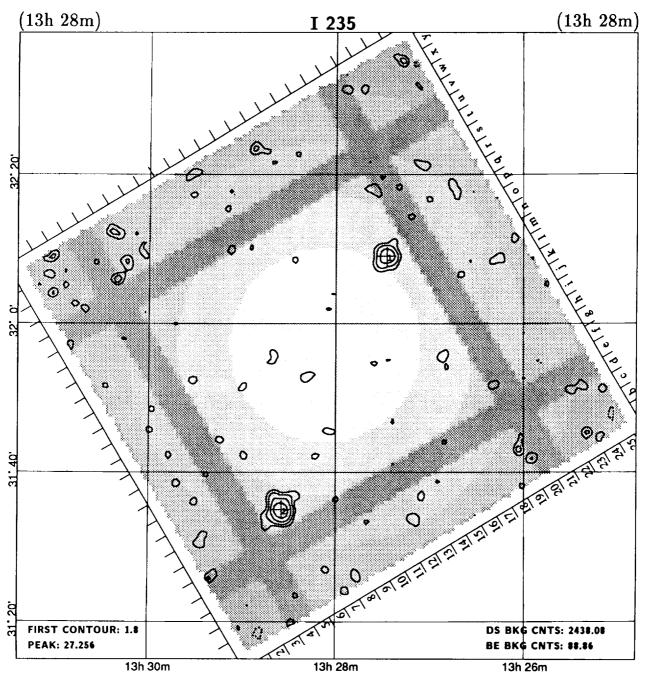


NGC 5204,DWARF GAL OF M101 GROUP

FIELD CENTER: $13^{h}27^{m}42.0^{s}$ $58^{o}40'41''$ (B1950) $13^{h}29^{m}34.5^{s}$ $58^{o}25'13''$ (J2000) ℓ : 113.51 b: 58.00

' (B1950) DATE: 1980/159 - 1980/159 ' (J2000) LIVETIME: 6975.4¢ ROLL ANGLE: 51.3° NH: 1.6E+20 REF/ID: FIELD FLAGS:

ſ	CAT	FLD	RA	DEC	±	COUNT	±	NET	BKG	S/N	SIZE	RECO	R'	SRC	ID :
	#	#	(1950)	(1950)	"	RATE		CTS	CTS		COR			FLG	
Ī	3060	1	13 26 12.4	58 28 29	51	*0.0090	0.0019	34.7	18.3	4.8	8.0	1006	17.0	Н	
١	3067	2	13 27 45.1	58 40 42	31	0.0307	0.0027	159.5	30.5	11.6	1.0	0	0.4	н	G

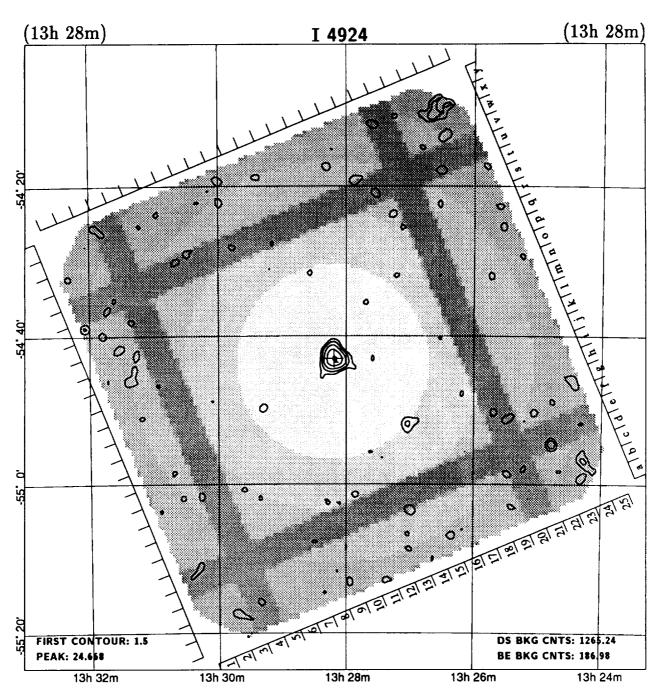


C 1328.1+3157 CLUSTER EVOLUTION

FIELD CENTER: $13^h 28^m 06.0^s 31^o 56'59''$ (B1950) $13^h 30^m 24.0^s 31^o 41'32''$ (J2000) ℓ : 63.54 ℓ : 80.37

DATE: 1978/357 - 1978/357 LIVETIME: 1975.76 ROLL ANGLE: -120.8° NH: 1.1E+20 REF/ID: FIELD FLAGS:

CAT	FLD	RA	DEC	±	COUNT	±	NET	BKG	S/N	SIZE	RECO	R'	SRC	ID
#	#	(1950)	(1950)	"	RATE		CTS	CTS		COR			FLG	
3065	1	13 27 27.3	32 09 01	41	0.0355	0.0058	42.1	4.9	6.1	1.1	0	14.6	Н	AGN
3076	2	13 28 34.6	31 35 01	48	0.0702	0.0090	64.4	4.6	7.8	1.2	0	22.9	н	Q

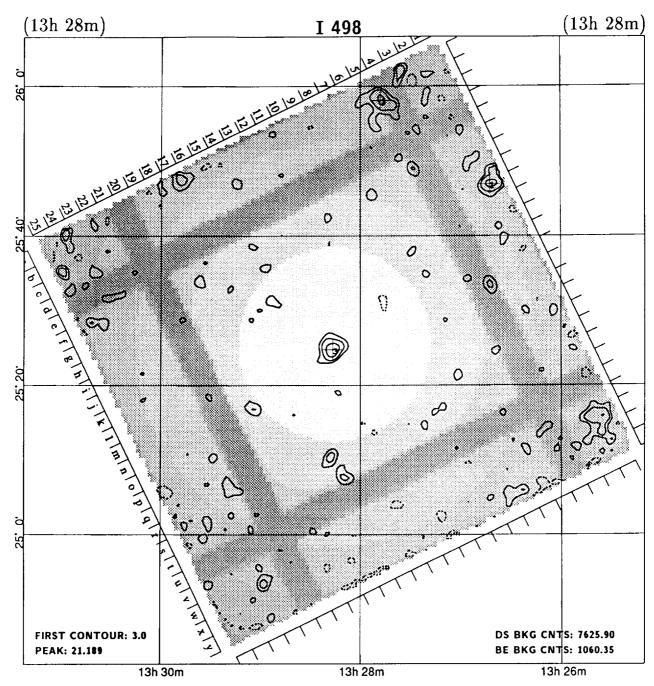


CATACLYSMIC VARIABLE STARS: BV CEN

FIELD CENTER: 13^h28^m10.0^s -54°42′59" (B1950) 13^h31^m19.9^s -54°58′26" (J2000)

 $13^h 31^m 19.9^s$ -54°58′26″ (J2000) ℓ : 308.69 b: 7.45 DATE: 1980/ 24 - 1980/ 24 LIVETIME: 1025.36 ROLL ANGLE: -112.4° NH: 1.8E+21 REF/ID: CV FIELD FLAGS:

CAT	FLD	RA	DEC	±	COUNT	±	NET	BKG	S/N	SIZE	RECO	R'	SRC	ID
#	#	(1950)	(1950)	"	RATE		CTS	CTS		COR			FLG	
3071	1	13 28 11.5	-54 42 58	31	0.122	0.013	93.4	3.6	9.5	1.1	0	0.2	Н	CV

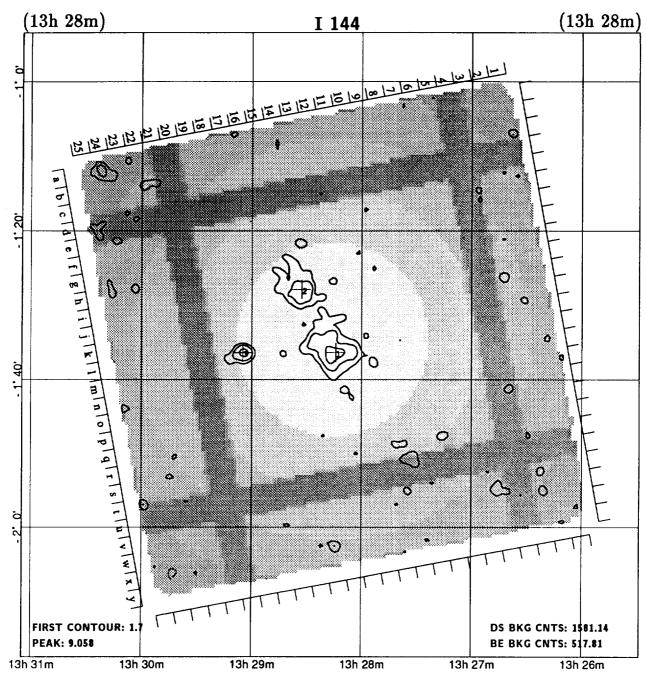


3CR 287 (QSO 1328+254) QUASAR SURVEY

FIELD CENTER: $13^h 28^m 16.1^s 25^o 24'36''$ (B1950) $13^h 30^m 37.8^s 25^o 09' 10''$ (J2000) ℓ : 22.47 b: 80.99

DATE: 1980/182 - 1980/183 LIVETIME: 6179.5s ROLL ANGLE: 64.0° NH: 1.1E+20 REF/ID: FIELD FLAGS:

CAT	FLD	RA	DEC	±	COUNT	±	NET	BKG	S/N	SIZE	RECO	R'	SRC	ID
#	#	(1950)	(1950)	"	RATE		CTS	CTS		COR			FLG	
3064	1	13 26 42.2	25 46 51	53	0.0115	0.0029	24.8	13.2	4.0	1.1	300	30.7	Н	
3068	2	13 27 47.9	25 58 05	55	*0.0134	0.0032	24.5	10.5	4.1	1.5	907	34.0		
3073	3	13 28 16.5	25 24 44	32	0.0167	0.0022	76.7	22.3	7.7	1.1	0	0.2	Н	Q



A1750 CLUSTER SURFACE BRIGHTNESS

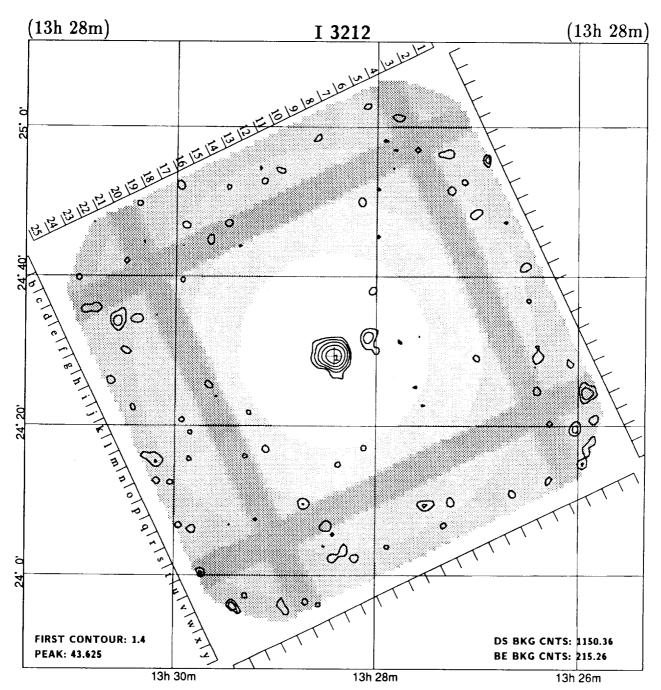
FIELD CENTER: $13^{h}28^{m}16.8^{s}$ -01°35′23″ (B1950) $13^{h}30^{m}51.3^{s}$ -01°50′50″ (J2000) ℓ : 322.63 b: 59.51

DATE: 1979/206 - 1979/206 LIVETIME: 1281.3s

ROLL ANGLE: 79.4°

NH: 2.3E+20 REF/ID: FIELD FLAGS:

CAT	FLD	RA	DEC	±	COUNT	±	NET	BKG	S/N	SIZE	RECO	R'	SRC	ID
#	#	(1950)	(1950)	"	RATE		CTS	CTS		COR			FLG	- 1
3072	1	13 28 14.0	-01 36 24	35	0.0506	0.0077	47.9	5.1	6.6	3.6	0	0.4	Н	
3075	2	13 28 32.7	-01 27 57	42	0.0271	0.0061	23.8	5.2	4.4	2.3	0	8.5	Н	CLG
3078	3	13 29 04.9	-01 36 25	42	0.0328	0.0069	26.6	4.4	4.8	0.9	0	12.2	н	İ



RS CVN SYSTEMS: FK COM

FIELD CENTER: 13^h28^m24.7^s 24°29'24" (B1950) 13^h30^m46.9^s 24°13'58" (J2000)

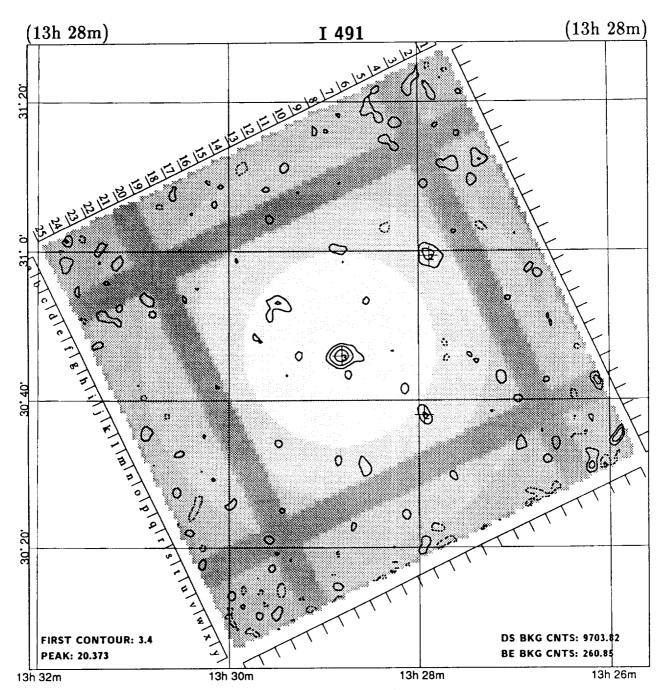
ℓ: 17.02 b: 80.68

DATE: 1979/183 - 1979/183 LIVETIME: 932.26

ROLL ANGLE: 64.2°

NH: 1.2E+20 REF/ID: FIELD FLAGS:

CAT	FLD	RA	DEC	±	COUNT	±	NET	BKG	S/N	SIZE	RECO	R'	SRC	ID
#	#	(1950)	(1950)	"	RATE		CTS	CTS		COR			FLG	
3074	1	13 28 25.1	24 29 27	31	0.253	0.019	175.6	3.4	13.1	1.2	0	0.2	Н	5



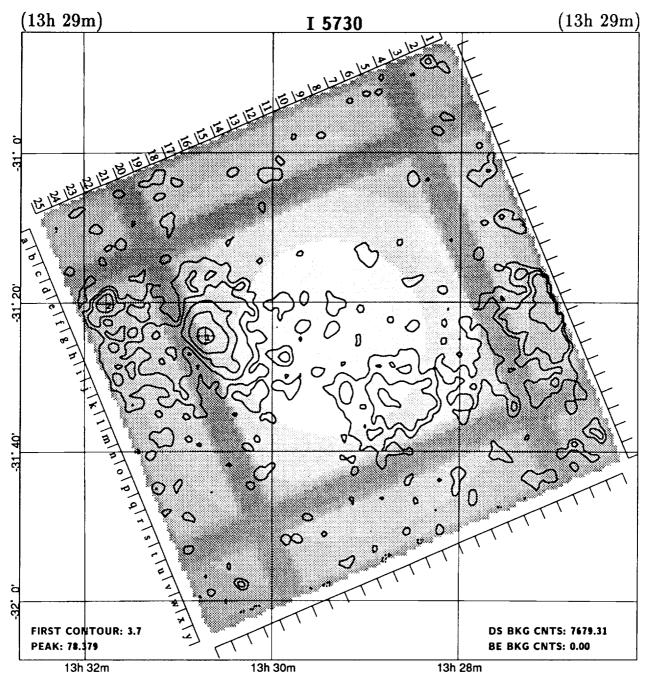
3CR 286 (QSO 1328+307) QUASAR SURVEY

FIELD CENTER: $13^{h}28^{m}50.7^{s}$ $30^{o}45'58''$ (B1950) $13^{h}31^{m}09.3^{s}$ $30^{o}30'33''$ (J2000) ℓ : 56.52 b: 80.67

DATE: 1980/183 - 1980/183 LIVETIME: 7863.3s ROLL ANGLE: 64.3°

NH: 1.2E+20 REF/ID: FIELD FLAGS:

CAT	FLD	RA	DEC	±	COUNT	±	NET	BKG	S/N	SIZE	RECO	R'	SRC	ID
#	#	(1950)	(1950)	"	RATE		CTS	CTS		COR			FLG	
3069	1	13 27 53.1	30 59 23	56	0.0061	0.0015	26.2	17.8	4.0	1.2	0	17.4	Н	
3070	2	13 27 56.6	30 37 57	45	0.0050	0.0014	23.5	21.5	3.5	0.6	0	14.0		
3077	3	13 28 48.5	30 45 54	32	0.0139	0.0018	81.4	24.6	7.9	1.0	0	0.4	Н	Q



CLUSTERS WITH IPC: SC1329-314

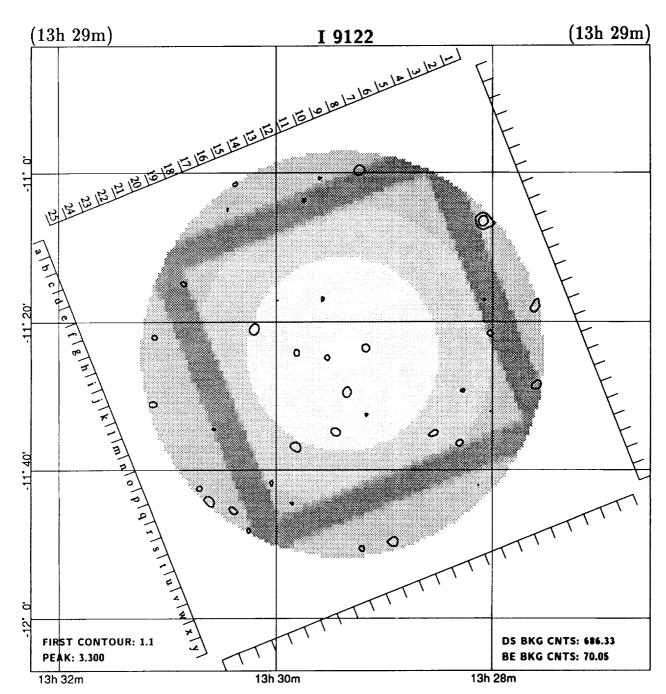
FIELD CENTER: $13^{h}29^{m}24.0^{s}$ $-31^{\circ}25'59''$ (B1950) $13^{h}32^{m}13.6^{s}$ $-31^{\circ}41'24''$ (J2000) ℓ : 312.99 b: 30.38

DATE: 1980/206 - 1980/206 LIVETIME: 6222.7s

ROLL ANGLE: 67.1°

NH: 4.2E+20 REF/ID: FIELD FLAGS: LS

CAT	FLD	RA	DEC	±	COUNT	±	NET	BKG	S/N	SIZE	RECO	R'	SRC	ID
#	#	(1950)	(1950)	"	RATE		CTS	CTS		COR			FLG	
3083	1L	13 30 42.9	-31 24 30	47	*0.0450	0.0088	156.7	185.3	5.0	7.0	704	16.9		
3088	2L	13 31 46.1	-31 20 12	51	0.0263	0.0049	54.9	21.1	5.2	23.6	0	30.7		

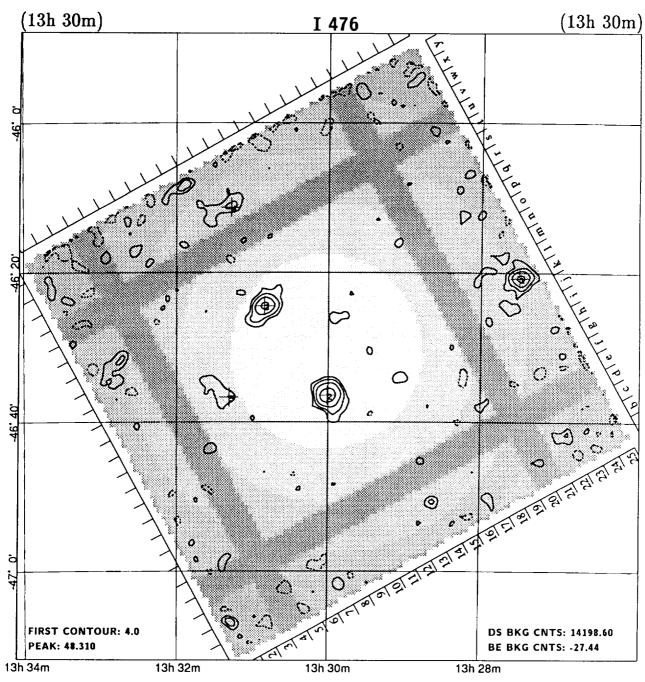


CLUSTER OF GALAXY SURVEY: A1754d

FIELD CENTER: 13^h29^m24.0^s -11°24'59" (B1950) 13^h32^m03.0^s -11°40'24" (J2000)

ℓ: 318.50 b: 49.97

DATE: 1980/197 - 1980/197 LIVETIME: 556.2s ROLL ANGLE: 68.4° NH: 3.5E+20 REF/ID: FIELD FLAGS:

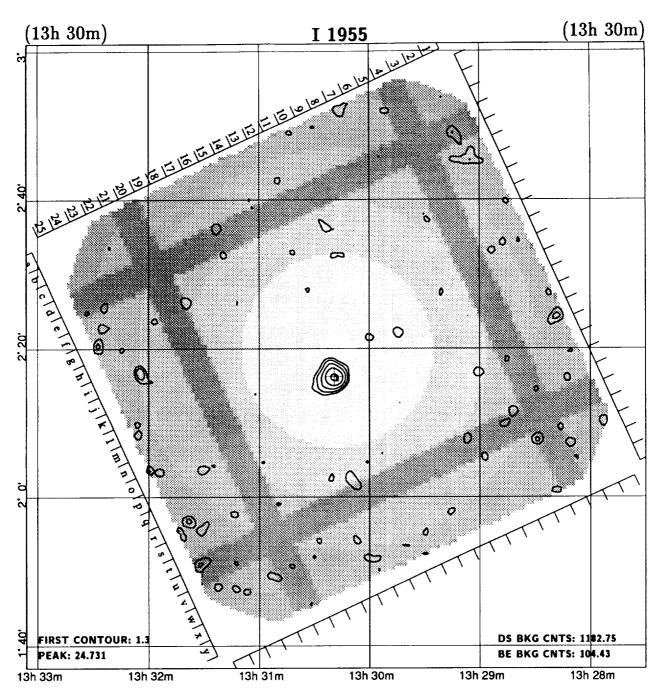


CEN-A GIANT RADIO LOBES

FIELD CENTER: $13^h30^m00.0^3$ -46°29′59″ (B1950) $13^h33^m01.2^3$ -46°45′23″ (J2000) ℓ : 310.30 b: 15.52

DATE: 1979/ 34 - 1979/ 35 LIVETIME: 11505.6s ROLL ANGLE: -119.1° NH: 1.1E+21 REF/ID: FIELD FLAGS:

CAT	FLD	RA	DEC	±	COUNT	±	NET	BKG	S/N	SIZE	RECO	R'	SRC	ID
#	#	(1950)	(1950)	"	RATE		CTS	CTS		COR			FLG	
3066	1	13 27 30.1	-46 20 46	50	0.0163	0.0022	71.9	21.1	7.5	1.1	0	27.3	Н	S
3080	2	13 30 00.8	-46 36 24	38	0.0261	0.0019	212.2	32.8	13.6	1.5	0	6.3	н	S
3084	3	13 30 50.8	-46 24 31	38	0.0178	0.0017	135.1	33.9	10.4	1.3	0	10.2	Н	
3085	4	13 31 16.9	-46 11 15	56	0.0046	0.0013	24.3	21.7	3.6	1.5	100	23.2		
3086	5	13 31 18.6	-46 36 40	56	0.0039	0.0011	26.5	27.5	3.6	1.3	0	15.6	н	



3C 287.1: SEYFERT AND N-TYPE GALAXIES

FIELD CENTER: 13^h 30^m 18.0^s 02° 18'59" (B1950) 13^h 32^m 50.7^s 02° 03' 36" (J2000)

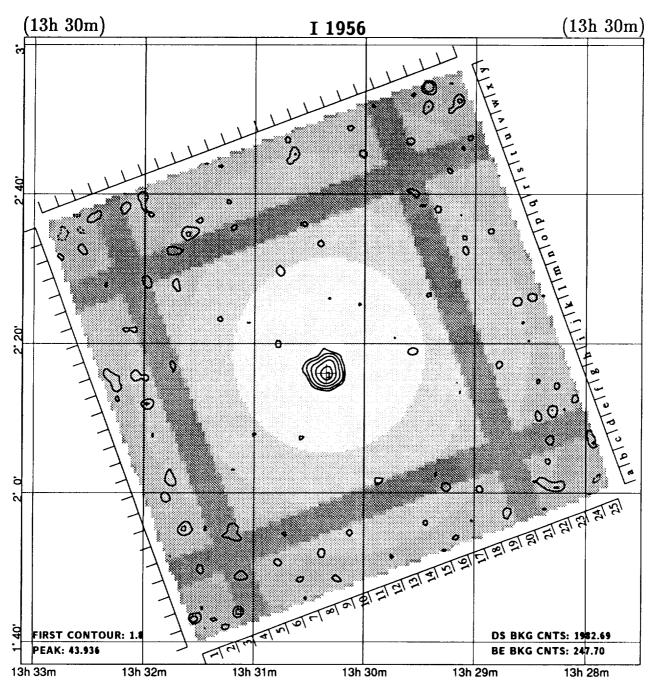
 $13^h 32^m 50.7^s 02^o 03'36'' (J2000)$ ℓ : 326.27 b: 63.04 DATE: 1979/179 - 1979/179 LIVETIME: 958.4s

ROLL ANGLE: 65.4°

REF/ID: FIELD FLAGS: C

NH: 1.8E+20

ſ	CAT	FLD	RA	DEC	±	COUNT	±	NET	BKG	S/N	SIZE	RECO	R'	SRC	ID
1	#	#	(1950)	(1950)	"	RATE		CTS	CTS		COR			FLG	
Ī	3081	1	13 30 19.2	02 16 14	31	0.138	0.014	95.7	3.3	9.6	1.1	0	2.8	AH	



3C 287.1: SEYFERT AND N-TYPE GALAXIES

FIELD CENTER: 13^h30^m18.0^s 02°18'59" (B1950) 13h32m50.7 02°03'36" (J2000)

ℓ: 326.27 b: 63.04

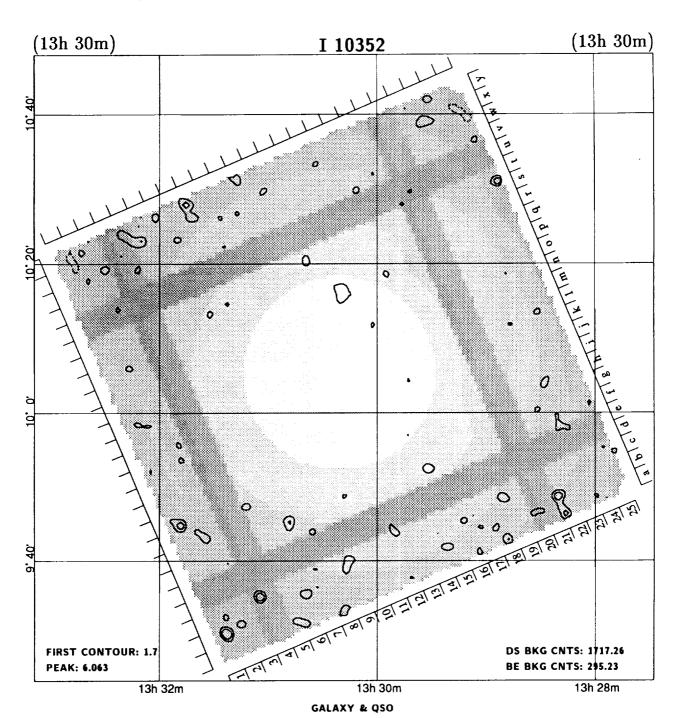
DATE: 1980/ 19 - 1980/ 19 LIVETIME: 1606.6.

REF/ID:

NH: 1.8E+20

ROLL ANGLE: -110.4° FIELD FLAGS: C

CAT	FLD	RA	DEC	±	COUNT	±	NET	BKG	S/N	SIZE	RECO	R'	SRC	ID
#	#	(1950)	(1950)	"	RATE		стѕ	CTS		COR			FLG	
3081	1	13 30 20.6	02 16 03	31	0.145	0.011	171.6	5.4	12.9	1.3	0	2.9	AH	



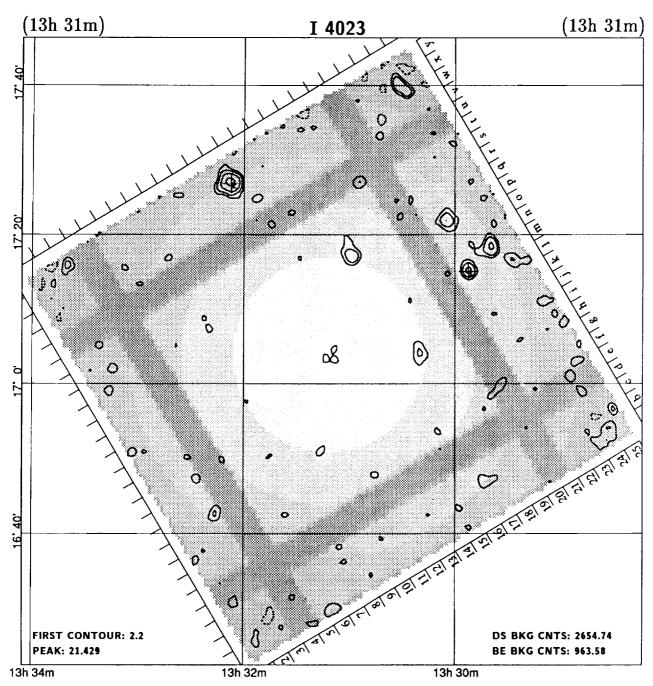
FIELD CENTER: 13h 30m 18.0s 10°05'59" (B1950) 13h32m47.2 09°50'36" (J2000)

ℓ: 334.32 *b*: 70.15

DATE: 1981/ 6 - 1981/ 6 LIVETIME: 1391.5s

ROLL ANGLE: -113.0°

NH: 1.9E+20 REF/ID: FIELD FLAGS:



QUASAR 1331+170

FIELD CENTER: 13^h31^m10.0^s 17°04′23" (B1950) 13^h33^m35.7^s 16°49′02" (J2000)

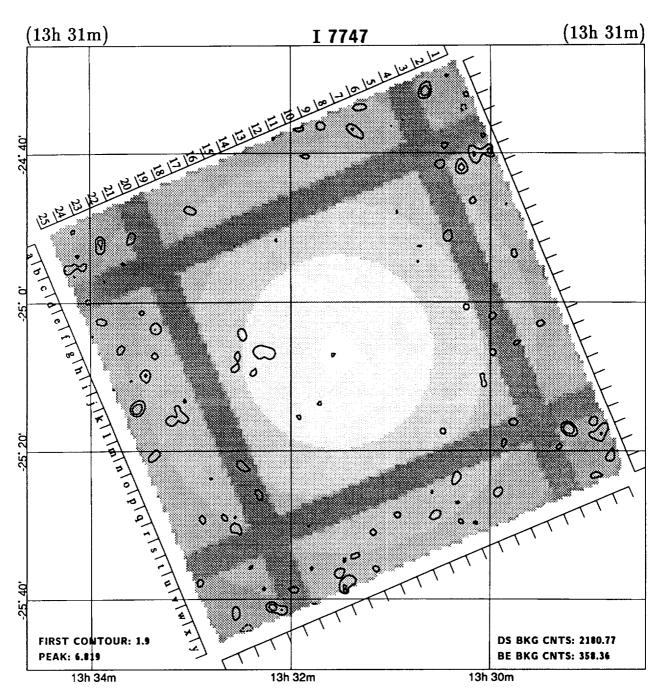
ℓ: 348.50 b: 75.81

DATE: 1979/354 - 1979/354 LIVETIME: 2151.2s

ROLL ANGLE: -120.9°

NH: 1.7E+20 REF/ID: ! FIELD FLAGS: L

CAT	FLD	RA	DEC	±	COUNT	±	NET	BKG	S/N	SIZE	RECO	R'	SRC	ID
#	#	(1950)	(1950)	"	RATE		стѕ	CTS		COR			FLG	
3079	1L	13 29 52.4	17 15 06	52	0.0212	0.0057	21.8	4.2	3.5	0.7	200	21.4		
3093	2L	13 32 07.4	17 26 50	50	0.0541	0.0098	47.1	8.9	5.3	1.1	0	26.3		



RW HYDRAE, HIGH-EXCITATION SYMBIOTIC STAR

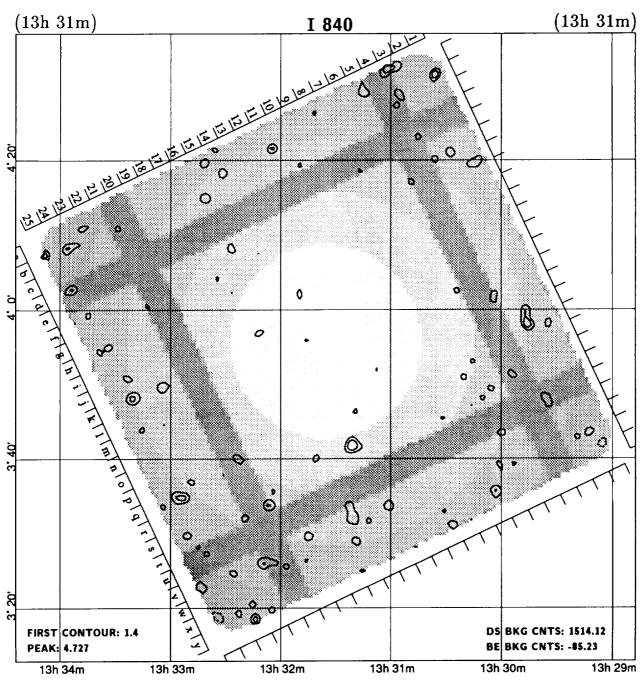
FIELD CENTER: 13h31m32.6s -25007'31" (B1950) 13h34m18.8s -25°22'52" (J2000)

ℓ: 315.00 b: 36.48

DATE: 1980/207 - 1980/207 LIVETIME: 1767.1s

REF/ID: ROLL ANGLE: 67.2° FIELD FLAGS:

NH: 5.1E+20



OMICRON VIR (HD118022) STELLAR OBSERVATIONS, A STARS

FIELD CENTER: 13h31m35.8 03°54'53" (B1950) 13h34m07.8s 03°39'32" (J2000)

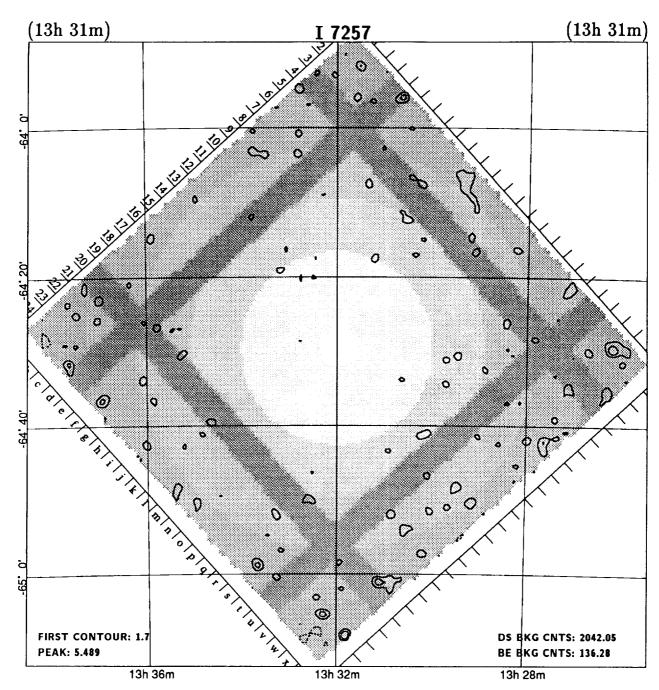
l: 328.27 b: 64.41

DATE: 1979/178 - 1979/178 LIVETIME: 1226.9s

ROLL ANGLE: 64.8°

NH: 2.0E+20 REF/ID:

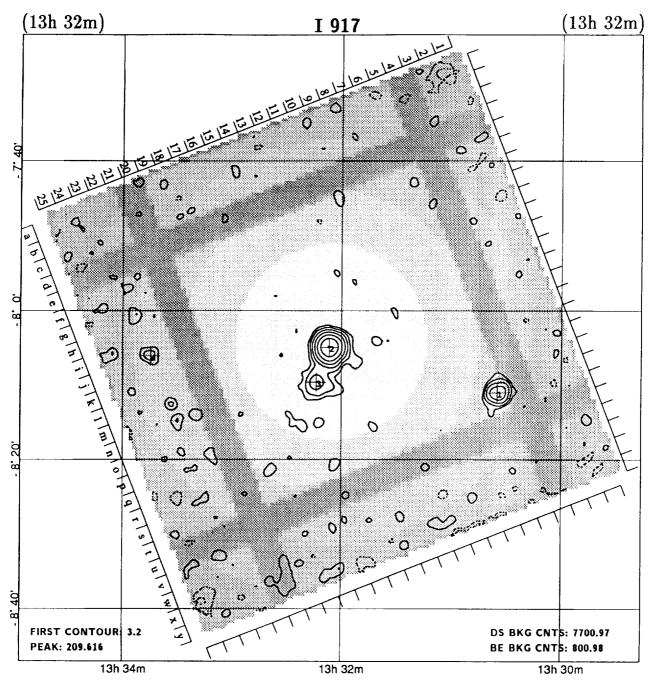
FIELD FLAGS:



SS 42, STRONG EMISSION LINE STAR

FIELD CENTER: $13^h 31^m 59.1^s$ -64°30′24″ (B1950) $13^h 35^m 28.9^s$ -64°45′44″ (J2000) ℓ : 307.61 b: -2.29

DATE: 1980/238 - 1980/238 LIVETIME: 1654.74 ROLL ANGLE: 48.0° NH: 1.5E+21 REF/ID: S FIELD FLAGS:

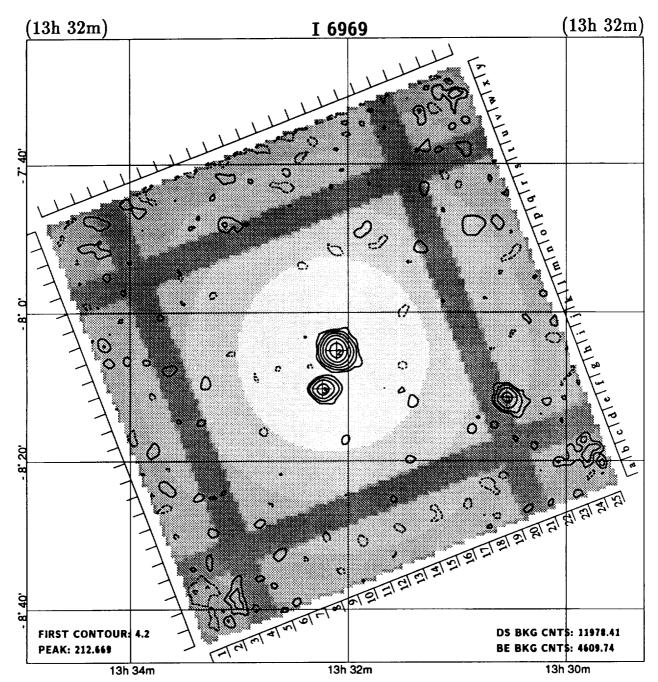


EQ VIR STELLAR OBSERVATIONS, VARIABLE STARS

FIELD CENTER: $13^h 32^m 06.2^s -08^\circ 05' 06''$ (B1950) $13^h 34^m 43.8^s -08^\circ 20' 27''$ (J2000) ℓ : 320.92 b: 53.01

DATE: 1979/203 - 1979/203 LIVETIME: 6240.36 ROLL ANGLE: 68.6° NH: 2.4E+20 REF/ID: FIELD FLAGS:

CAT	FLD	RA	DEC	±	COUNT	±	NET	BKG	S/N	SIZE	RECO	R'	SRC	ID
#	#	(1950)	(1950)	"	RATE		CTS	CTS		COR			FLG	
3082	1	13 30 34.7	-08 11 06	48	*0.0428	0.0041	121.8	13.2	10.5	1.1	701	23.6	AH	S
3091	2	13 32 06.7	-08 04 59	31	0.2014	0.0067	935.5	21.5	30.2	1.5	0	0.2	АН	S
3095	3	13 32 13.7	-08 09 40	34	0.0183	0.0023	80.8	18.2	8.1	15.3	0	5.0	АН	
3107	4	13 33 44.7	-08 06 09	55	0.0088	0.0023	23.8	15.2	3.8	0.7	0	24.4		



DM-7(3646), STELLAR X-RAY VARIABILITY STUDIES

FIELD CENTER: 13h32m07.0' -08005'05" (B1950) 13^h34^m44.6^s -08°20'26" (J2000)

ℓ: 320.92 b: 53.01

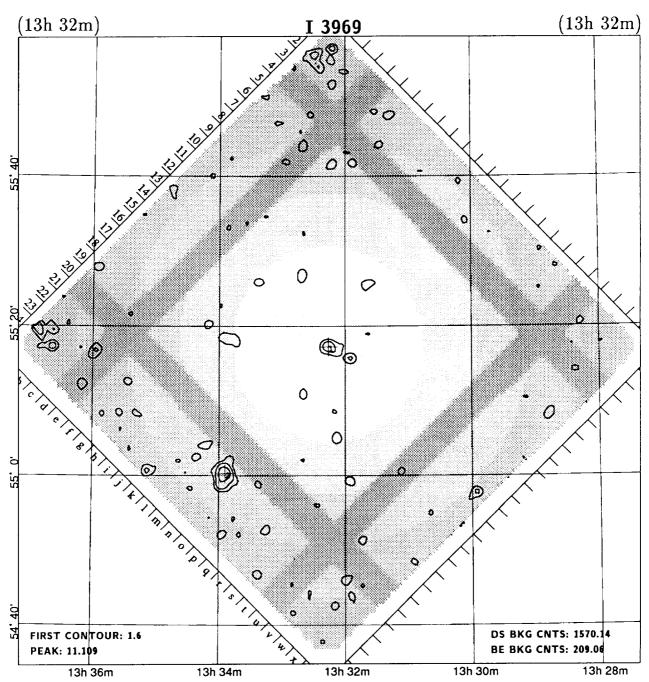
DATE: 1981/ 32 - 1981/ 33 LIVETIME: 9706.5s

ROLL ANGLE: -111.1°

NH: 2.4E+20 REF/ID:

FIELD FLAGS: L

CAT	FLD	RA	DEC	±	COUNT	±	NET	BKG	S/N	SIZE	RECO	R'	SRC	ID
#	#	(1950)	(1950)	"	RATE		CTS	CTS		COR			FLG	
3082	1L	13 30 32.7	-08 11 22	48	*0.0169	0.0043	72.2	35.8	3.8	1.2	905	24.2	A	S
3091	2L	13 32 06.5	-08 05 06	31	0.1174	0.0050	848.1	144.9	23.4	1.2	0	0.0	A	S
3095	3L	13 32 14.2	-08 10 12	38	0.0234	0.0025	162.8	58.2	9.2	1.1	0	5.5	A	

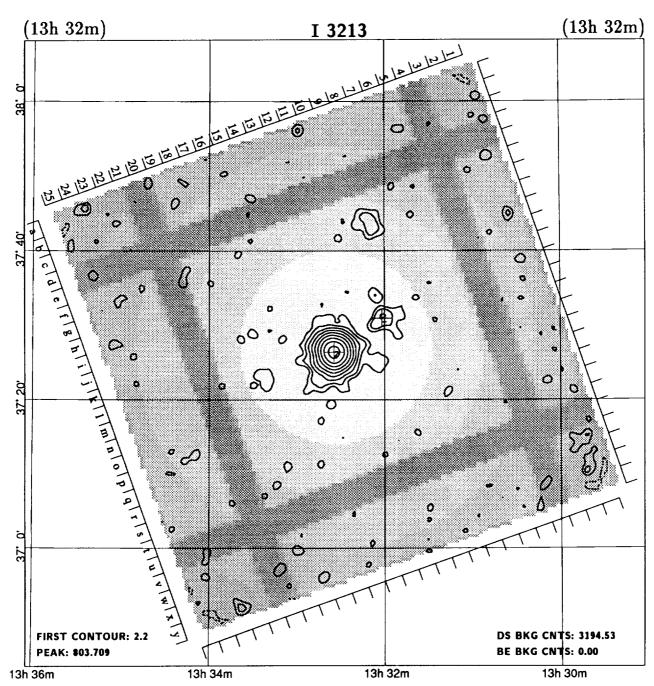


1332+552, BRIGHT NEARBY QUASAR

FIELD CENTER: $13^h 32^m 15.8^s 55^o 16' 45''$ (B1950) $13^h 34^m 11.6^s 55^o 01' 25''$ (J2000) ℓ : 110.25 b: 61.04

DATE: 1980/157 - 1980/157 LIVETIME: 1272.3s ROLL ANGLE: 45.2° NH: 1.2E+20 REF/ID: FIELD FLAGS:

CAT	FLD	RA	DEC	±	COUNT	±	NET	BKG	S/N	SIZE	RECO	R'	SRC	ID
#	#	(1950)	(1950)	"	RATE		стѕ	CTS		COR			FLG	
3097	1	13 32 16.1	55 17 12	37	0.0173	0.0048	16.5	4.5	3.6	0.8	0	0.4	Н	
3111	2	13 33 54.0	55 00 14	51	0.0399	0.0086	24.0	3.0	4.6	1.1	100	21.7	н	



RS CVN SYSTEMS: HR 5110

FIELD CENTER: 13^h32^m33.9^s 37°26′16" (B1950) 13^h34^m47.4^s 37°10′57" (J2000)

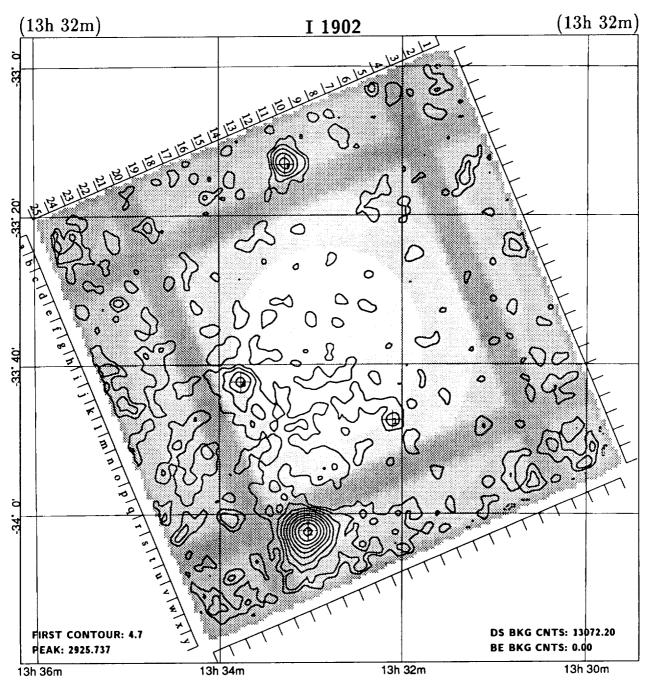
ℓ: 83.33 b: 76.41

DATE: 1979/192 - 1979/192 LIVETIME: 2588.6s

ROLL ANGLE: 70.5°

NH: 8.1E+19 REF/ID: FIELD FLAGS: L

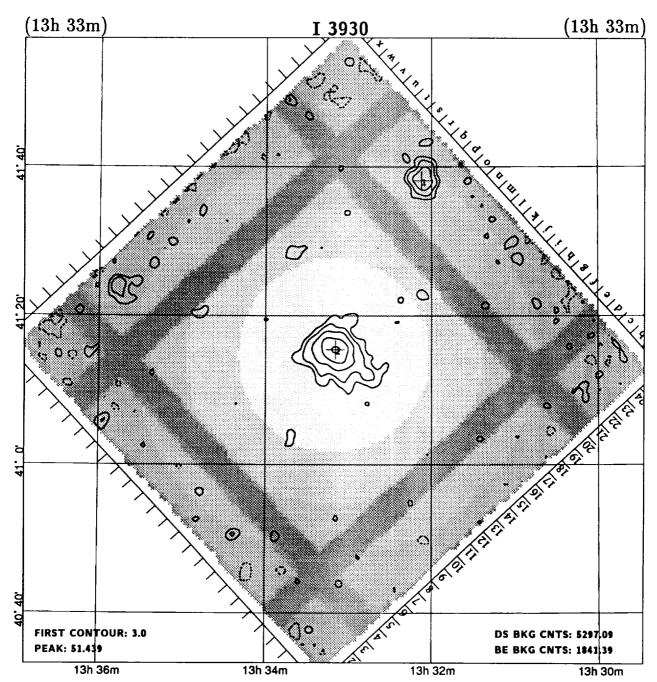
CAT	FLD	RA	DEC	±	COUNT	±	NET	BKG	S/N	SIZE	RECO	R'	SRC	ID
#	#	(1950)	(1950)	"	RATE		CTS	CTS		COR			FLG	
3089	1L	13 32 01.8	37 30 57	41	0.0198	0.0048	35.5	16.5	4.0	1.5	0	7.2		
3098	2L	13 32 34.7	37 26 22	31	1.542	0.035	2972.3	473.7	44.3	1.4	0	0.1		CV



IC4296=1332-33: X-RAY STUDY OF RADIO GALAXIES

FIELD CENTER: $13^h 32^m 48.0^s -33^\circ 37' 59''$ (B1950) $13^h 35^m 39.6^s -33^\circ 53' 18''$ (J2000) ℓ : 313.33 b: 28.09 DATE: 1980/207 - 1980/207 LIVETIME: 10592.7s ROLL ANGLE: 67.2° NH: 4.3E+20 REF/ID: FIELD FLAGS: L

CAT	FLD "	RA (1050)	DEC (1950)	± "	COUNT	±	NET CTS	BKG CTS	S/N	SIZE	RECO	R'	SRC ID
3090	# 1L	(1950) 13 32 06.2		45	0.0077	0.0017	50.4	35.6	4.4	2.5	0	13.1	120
3102	2L	13 33 01.8			*1.572	0.027	7141.3			1.5	703	24.4	
3104	3L	13 33 16.7	-33 13 12	47	0.0463	0.0040	213.0	42.0	11.4	1.3	200	25.5	
3108	4L	13 33 45.8	-33 42 17	38	0.0174	0.0025	115.8	71.2	6.9	85.1	0	12.7	G

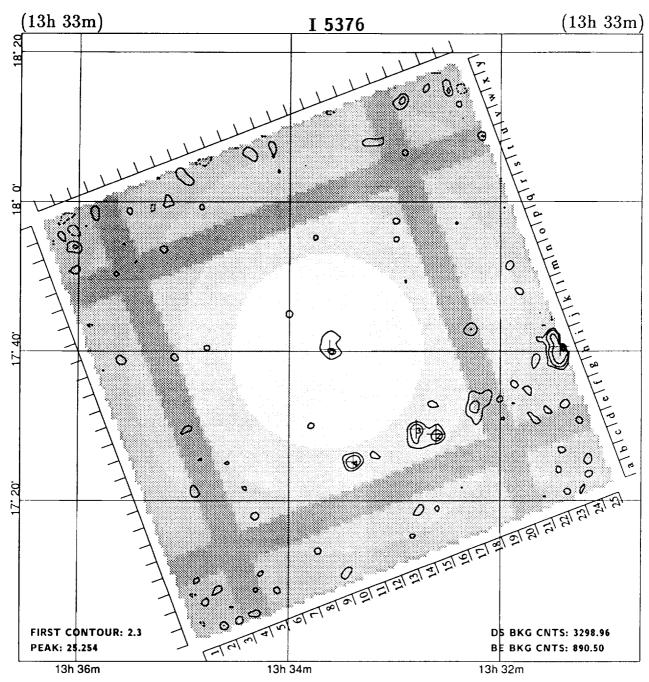


CLASSICAL DOUBLES IN RICH CLUSTERS

FIELD CENTER: 13^h33^m10.0^s 41°15'19" (B1950) 13^h35^m20.4^s 41°00'01" (J2000)

13^h35^m20.4^s 41°00′01″ (J2000) ℓ: 92.65 b: 73.45 DATE: 1979/342 - 1979/342 LIVETIME: 4292.46 ROLL ANGLE: -132.7° NH: 9.1E+19 REF/ID: FIELD FLAGS:

CAT	FLD	RA	DEC	±	COUNT	±	NET	BKG	S/N	SIZE	RECO	R'	SRC	ID
#	#	(1950)	(1950)	"	RATE		CTS	CTS		COR			FLG	
3092	1	13 32 07.3	41 38 06	50	0.0322	0.0047	56.7	11.3	6.9	1.5	0	25.9	Н	
3103	2	13 33 09.5	41 15 28	31	0.0788	0.0052	251.8	19.2	15.3	2.9	0	0.2	н	CLG

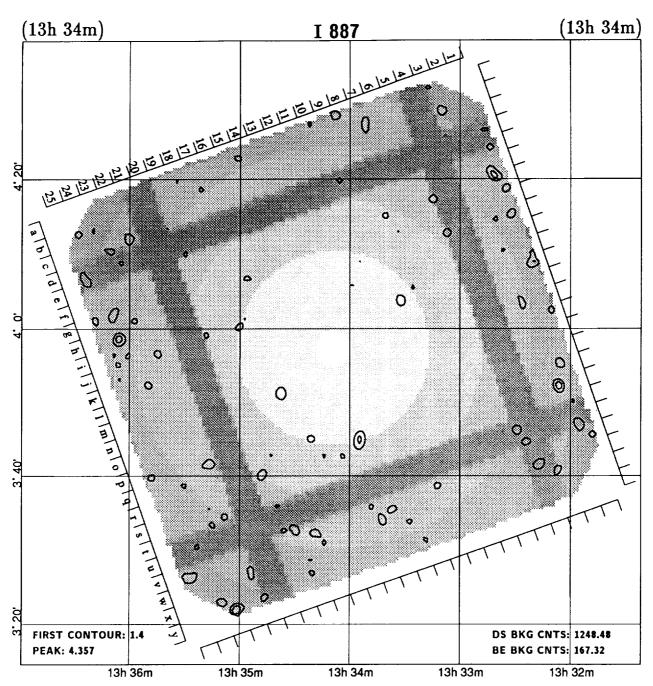


SURVEY OF BRIGHT QUASARS (PG)

FIELD CENTER: $13^h 33^m 36.7^s 17^o 40' 30''$ (B1950) $13^h 36^m 01.9^s 17^o 25' 13''$ (J2000) ℓ : 351.92 ℓ : 75.85

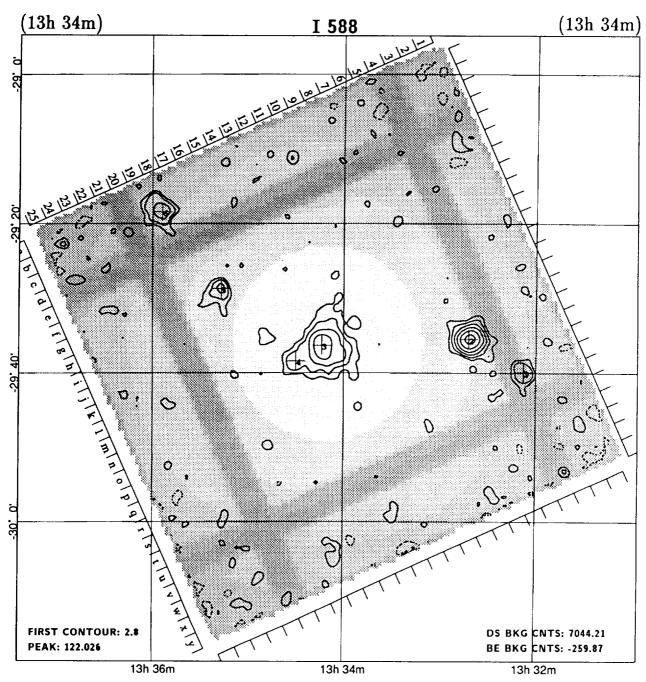
DATE: 1981/ 11 - 1981/ 11 LIVETIME: 2673.3s ROLL ANGLE: -110.9° NH: 1.7E+20 REF/ID: FIELD FLAGS:

CAT	FLD	RA	DEC	±	COUNT	±	NET	BKG	S/N	SIZE	RECO	R'	SRC	ID
#	#	(1950)	(1950)	"	RATE		CTS	CTS		COR			FLG	
3087	1	13 31 26.2	17 40 36	51	*0.059	0.010	39.0	5.0	5.9	1.9	804	31.1	EH	
3099	2	13 32 36.3	17 28 54	54	0.0130	0.0036	18.6	8.4	3.6	1.9	0	18.4	Н	
3101	3	13 32 47.5	17 29 36	52	0.0134	0.0035	20.6	8.4	3.8	1.9	0	15.8	н	
3105	4	13 33 23.3	17 25 12	51	0.0151	0.0036	23.8	8.2	4.2	0.7	0	15.6	}	
3106	5	13 33 37.1	17 40 17	37	0.0097	0.0027	19.3	10.7	3.5	1.0	0	0.2	н	Q



EG 100 (W489) STELLAR OBSERVATIONS, WHITE DWARFS

FIELD CENTER: $13^h 34^m 10.0^s 03^o 56' 41''$ (B1950) $13^h 36^m 41.9^s 03^o 41' 25''$ (J2000) ℓ : 329.66 b: 64.19 DATE: 1979/206 - 1979/206 LIVETIME: 1011.7s ROLL ANGLE: 70.6° NH: 2.0E+20 REF/ID: FIELD FLAGS:

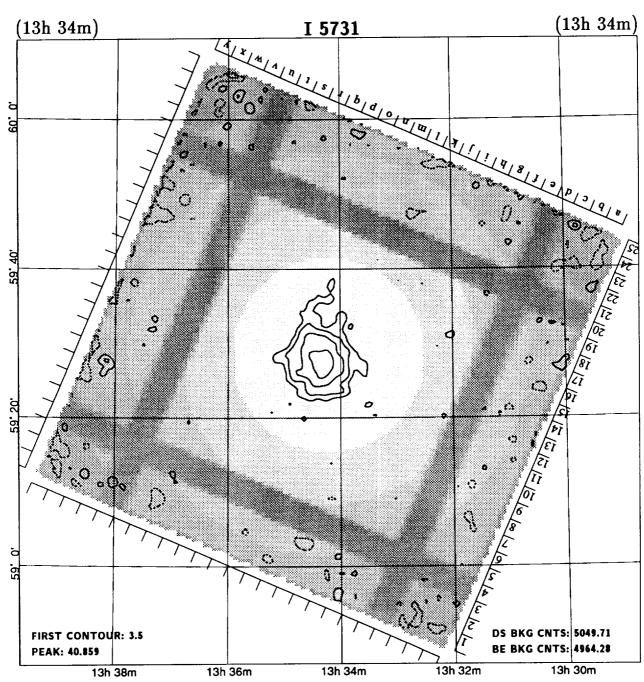


NGC 5236 HIGH RESOLUTION STUDIES OF GALAXIES

FIELD CENTER: $13^h 34^m 10.2^s$ -29°36′46″ (B1950) $13^h 36^m 59.4^s$ -29°52′02″ (J2000) ℓ : 314.58 b: 31.97

DATE: 1979/212 - 1979/213 LIVETIME: 5708.1s ROLL ANGLE: 65.7° NH: 4.2E+20 REF/ID: FIELD FLAGS:

CAT	FLD	RA	DEC	±	COUNT	±	NET	BKG	S/N	SIZE	RECO	R'	SRC	ID
#	#	(1950)	(1950)	"	RATE		CTS	CTS		COR			FLG	
3094	1	13 32 07.7	-29 39 54	54	*0.0145	0.0028	33.3	7.7	5.2	1.3	1209	26.1	Н	S
3100	2	13 32 41.8	-29 35 28	47	0.1111	0.0062	333.1	9.9	18.0	1.3	400	19.4	н	*
3112	3	13 34 13.7	-29 36 18	31	0.0468	0.0035	198.9	18.1	13.5	2.9	0	1.0	н	G
3114	4	13 34 30.0	-29 38 24	35	0.0118	0.0020	48.2	18.8	5.9	11.3	0	4.6	н	G
3119	5	13 35 16.9	-29 28 42	51	0.0124	0.0022	40.4	12.6	5.6	1.2	0	16.7	н	CLG
3121	6	13 35 53.8	-29 18 24	51	0.0211	0.0035	44.8	10.2	6.0	1.5	0	29.2	н	S



CLUSTERS WITH IPC: A1767

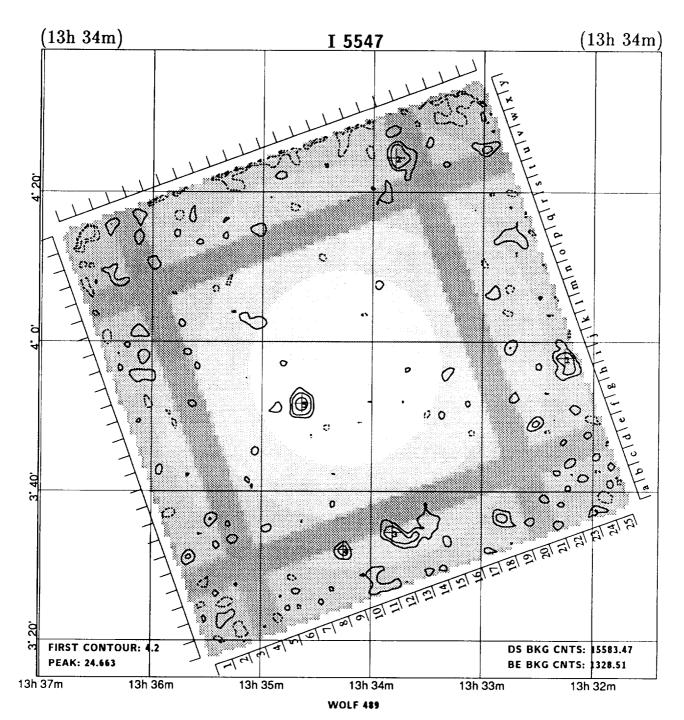
FIELD CENTER: 13^h34^m12.0^s 59°28'59" (B1950) 13^h36^m00.3^s 59°13'42" (J2000)

ℓ: 112.48 b: 56.99

DATE: 1979/316 - 1979/317 LIVETIME: 4091.9s

ROLL ANGLE: -156.7°

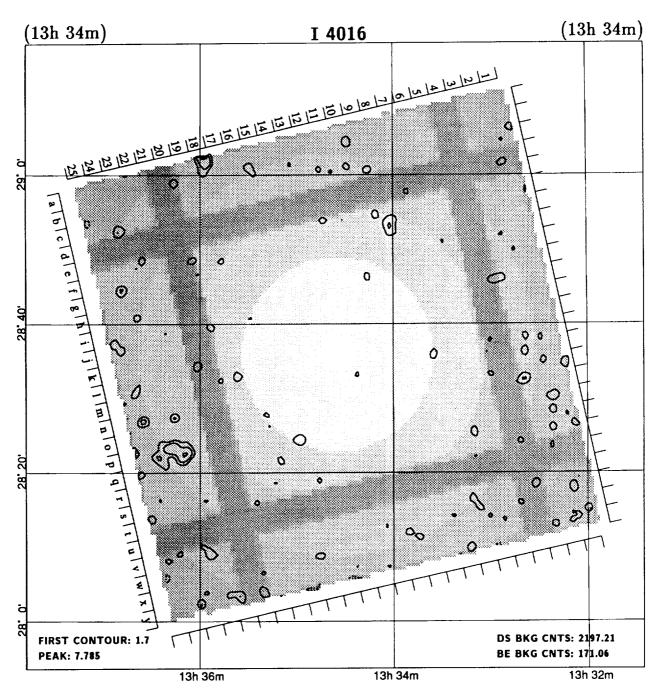
NH: 1.7E+20 REF/ID: ! FIELD FLAGS: LS



FIELD CENTER: $13^h 34^m 13.0^s 03^o 56'59''$ (B1950) $13^h 36^m 44.9^s 03^o 41'43''$ (J2000) ℓ : 329.69 b: 64.19

DATE: 1980/ 19 - 1980/ 21 LIVETIME: 12627.9s ROLL ANGLE: -109.9° NH: 2.0E+20 REF/ID: FIELD FLAGS:

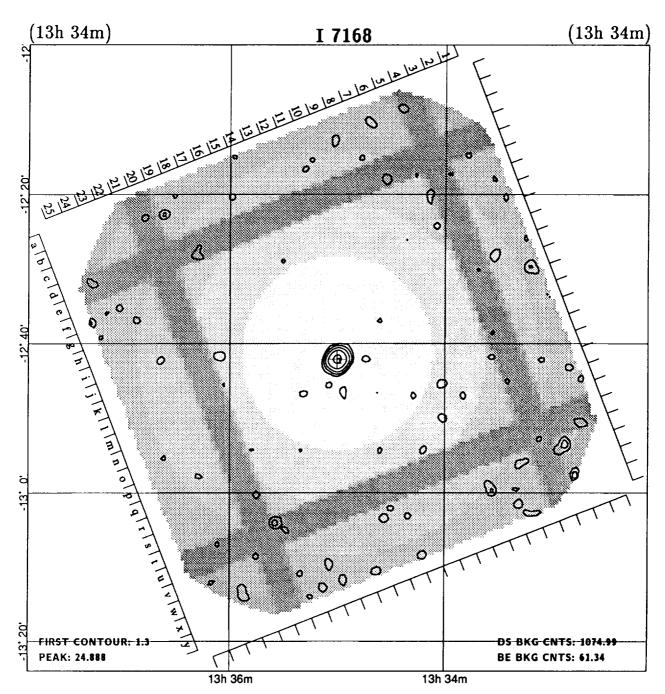
CAT	FLD	RA	DEC	±	COUNT	±	NET	BKG	S/N	SIZE	RECO	R'	SRC	ID
#	#	(1950)	(1950)	"	RATE		CTS	CTS		COR			FLG	
3096	1	13 32 15.5	03 57 51	56	0.0057	0.0016	25.5	26.5	3.5	1.3	200	29.5	Н	
3109	2	13 33 47.9	04 24 35	59	*0.0076	0.0016	35.2	22.8	4.6	1.5	804	27.6	Н	
3110	3	13 33 48.3	03 34 29	53	*0.0069	0.0014	40.7	25.3	5.0	2.0	704	23.4	Н	
3113	4	13 34 15.1	03 32 08	56	*0.0045	0.0013	25.3	25.7	3.5	0.6	805	24.7	н	
3115	5	13 34 38.2	03 51 45	38	0.0121	0.0014	105.8	42.2	8.7	1.0	0	8.1	н	



QUASAR 1334+285

FIELD CENTER: $13^h 34^m 36.1^s 28^o 35' 41''$ (B1950) $13^h 36^m 55.1^s 28^o 20' 25''$ (J2000) ℓ : 42.43 b: 79.87

DATE: 1979/201 - 1979/201 LIVETIME: 1780.5s ROLL ANGLE: 77.3° NH: 1.2E+20 REF/ID: FIELD FLAGS:

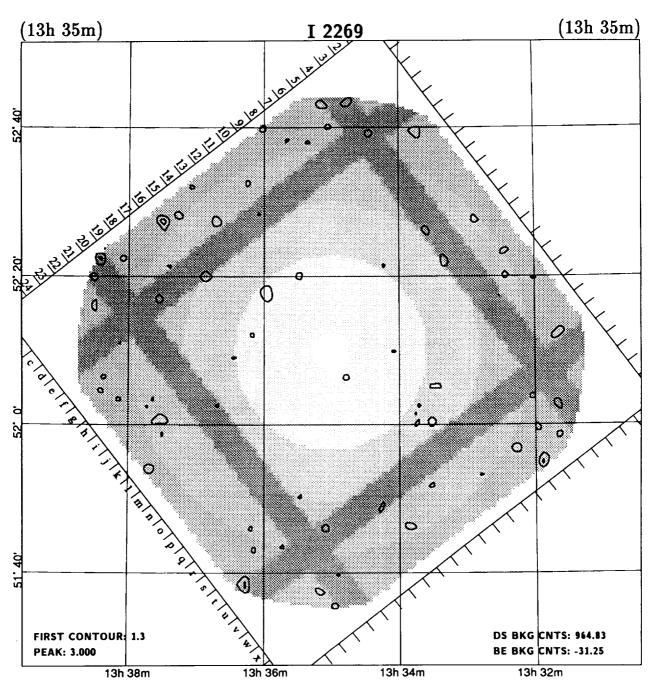


DW 1335-12, BURSTING RADIO SOURCE

FIELD CENTER: $13^h 34^m 59.9^s -12^o 41'59''$ (B1950) $13^h 37^m 39.8^s -12^o 57'14''$ (J2000) ℓ : 320.03 b: 48.38

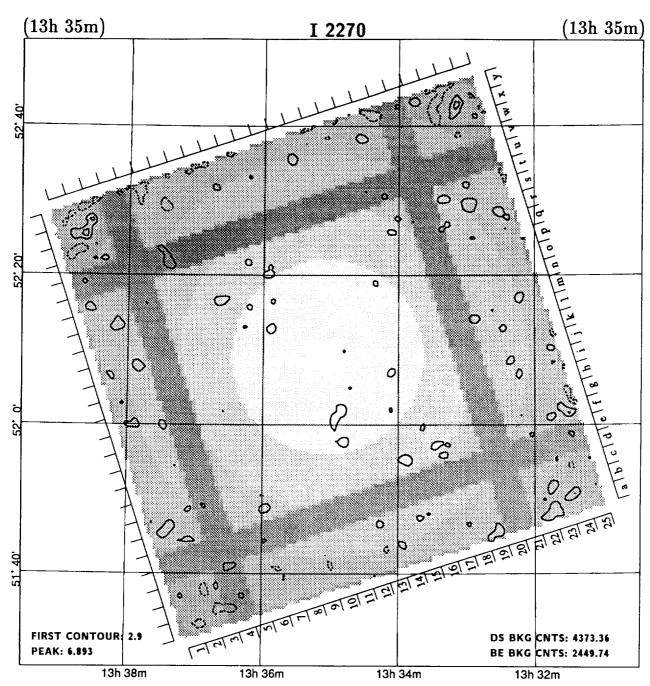
DATE: 1980/196 - 1980/196 LIVETIME: 871.1s ROLL ANGLE: 68.7° NH: 4.6E+20 REF/ID: FIELD FLAGS:

CAT	FLD	RA	DEC	±	COUNT	±	NET	BKG	S/N	SIZE	RECO	R'	SRC	ID
#	#	(1950)	(1950)	"	RATE		CTS	CTS		COR			FLG	
3116	1	13 35 00.1	-12 42 09	31	0.164	0.016	106.2	2.8	10.2	1.1	0	0.2	Н	



STELLAR SURVEY-CATACLYSMIC VARIABLES: UX UMA

FIELD CENTER: $13^h35^m00.0^s$ $52^009'39''$ (B1950) $13^h36^m58.9^s$ $51^054'24''$ (J2000) ℓ : 106.93 b: 63.78 DATE: 1979/166 - 1979/166 LIVETIME: 781.8s ROLL ANGLE: 52.5° NH: 1.0E+20 REF/ID: FIELD FLAGS: C



STELLAR SURVEY-CATACLYSMIC VARIABLES: UX UMA

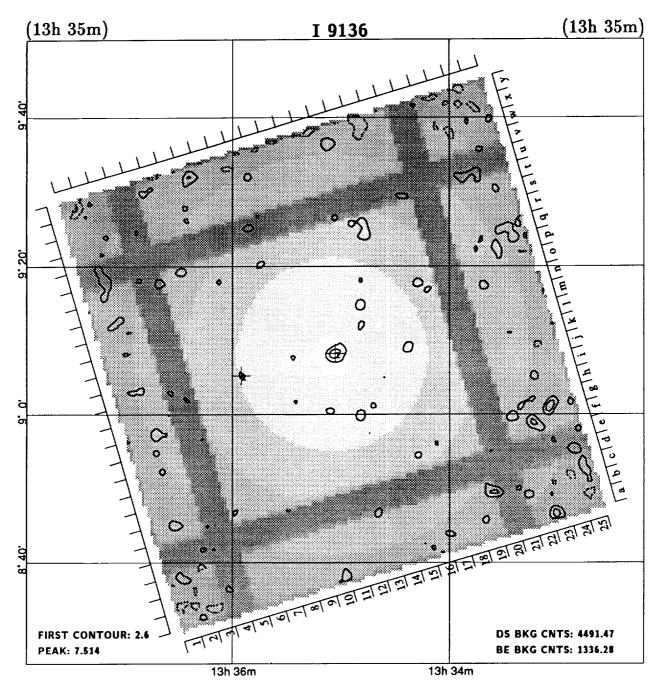
FIELD CENTER: 13^h35^m00.0^s 52°09'39" (B1950) 13^h36^m58.9^s 51°54'24" (J2000)

ℓ: 106.93 b: 63.78

DATE: 1980/ 8 - 1980/ 8 LIVETIME: 3543.9s

ROLL ANGLE: -107.9°

NH: 1.0E+20 REF/ID: FIELD FLAGS: C



CAREFULLY SELECTED Sbc GALAXIES: NGC 5248

FIELD CENTER: 13h35m03.0 09008'29" (B1950)

13h 37m 32.4s 08°53'14" (J2000)

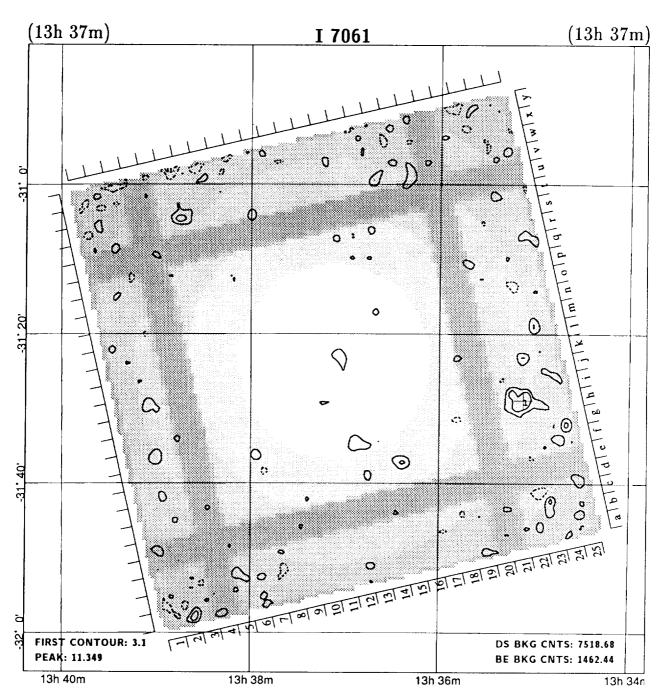
ℓ: 335.94 b: 68.75

DATE: 1981/ 28 - 1981/ 28

LIVETIME: 3639.6s ROLL ANGLE: -106.2°

NH: 2.1E+20 REF/ID: FIELD FLAGS: L

CAT FLD RA DEC COUNT NET BKG S/N SIZE RECO SRC ID \pm FLG RATE CTS CTS COR (1950)(1950)# 3117 1L 13 35 03.2 09 08 19 0.0109 0.0029 29.4 13.6 3.6 0.8 0 0.4 13 35 55.2 09 05 20 0.0086 0.0023 19.7 1.3 3.7 0.3 0 13.3 3122 2L



NGC 5253,LATE GALAXY SURVEY

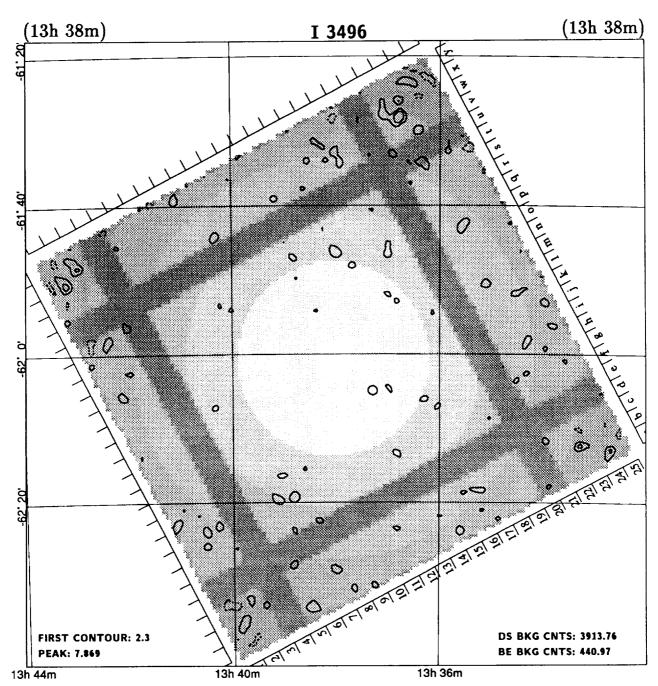
FIELD CENTER: 13h37m06.0s -31°23'23" (B1950) 13^h39^m56.8^s -31°38'34" (J2000)

 ℓ : 314.86 b: 30.10

DATE: 1980/363 - 1980/363 LIVETIME: 6092.7s ROLL ANGLE: -102.9°

NH: 4.0E+20 REF/ID: ! FIELD FLAGS:

CAT	FLD	RA	DEC	±	COUNT	±	NET	BKG	S/N	SIZE	RECO	R'	SRC	ID
#	#	(1950)	(1950)	"	RATE		CTS	CTS		COR			FLG	
3118	1	13 35 06.9	-31 28 56	55	0.0110	0.0025	27.7	13.3	4.3	1.4	0	25.5	Н	



G308.7+0.0, CRAB-LIKE SNR

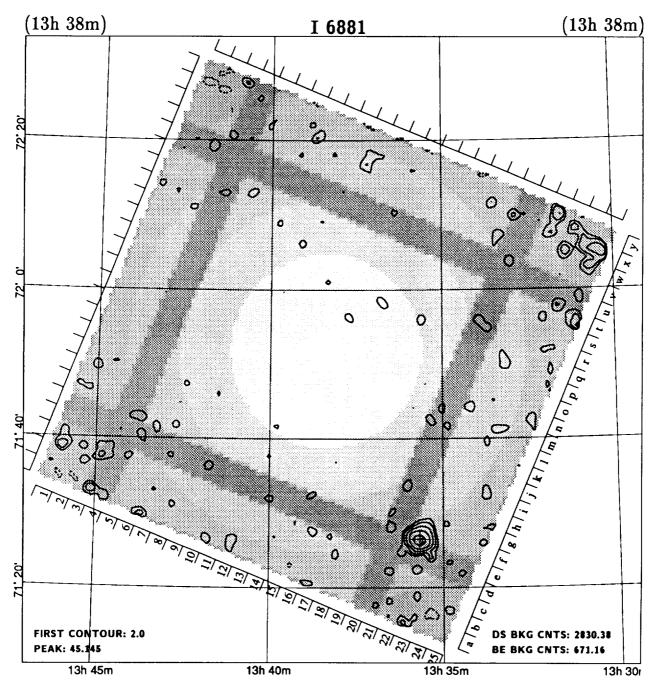
FIELD CENTER: 13^h 38^m 00.0^s -61°59′59″ (B1950) 13^h 41^m 27.0^s -62°15′08″ (J2000)

ℓ: 308.72 b: 0.06

DATE: 1979/ 35 - 1979/ 35 LIVETIME: 3171.4s

ROLL ANGLE: -117.7°

NH: 1.7E+21 REF/ID: SNR FIELD FLAGS:

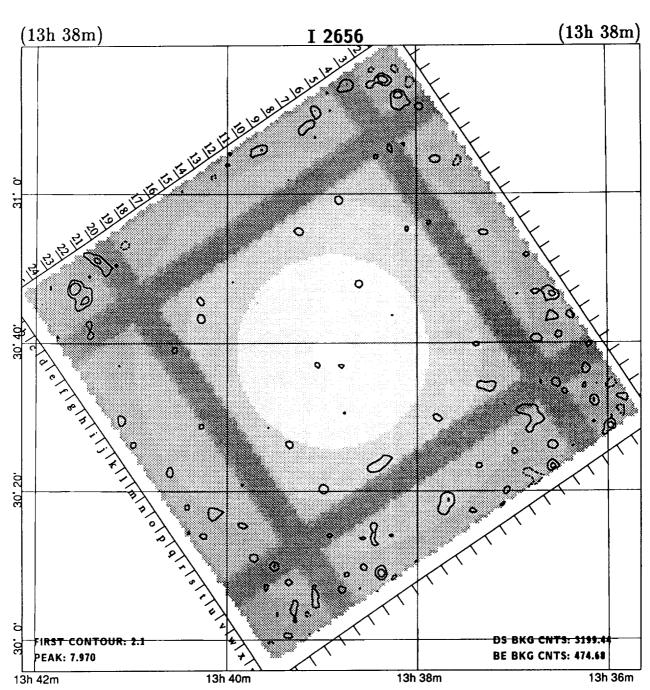


A1777,CLUSTER LUMINOSITIES @ Z=0.25.

FIELD CENTER: $13^h38^m12.0^s$ $71^o51'59''$ (B1950) $13^h39^m21.1^s$ $71^o36'49''$ (J2000) ℓ : 117.62 b: 45.02

DATE: 1981/ 39 - 1981/ 40 LIVETIME: 2293.5¢ ROLL ANGLE: -67.7° NH: 1.5E+20 REF/ID: CLG FIELD FLAGS:

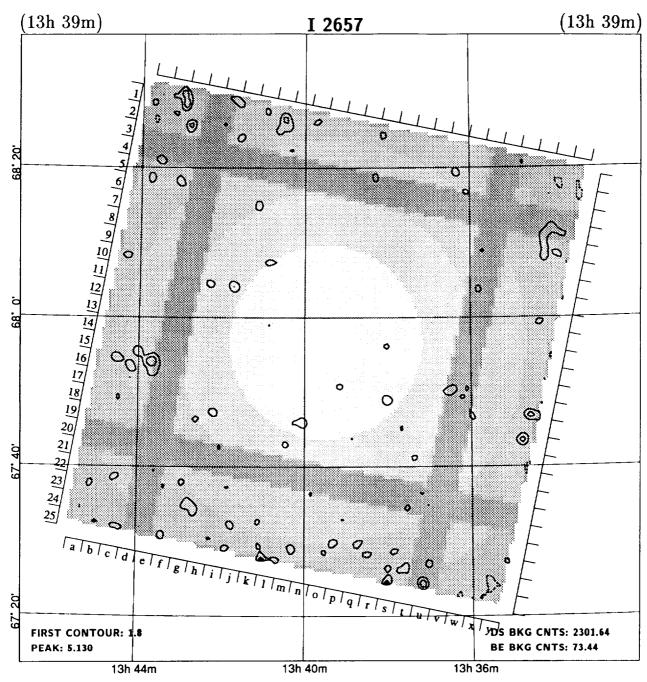
CAT	FLD	RA	DEC	±	COUNT	±	NET	BKG	S/N	SIZE	RECO	R'	SRC	ID
#	#	(1950)	(1950)	"	RATE		CTS	CTS		COR			FLG	
3120	1	13 35 40.3	71 26 30	48	*0.106	0.011	92.0	3.0	9.4	1.2	1106	28.0	Н	



SEYFERT GALAXY SURVEY: MKN 268

FIELD CENTER: 13^h38^m54.0^s 30°37′59" (B1950) 13^h41^m11.1^s 30°22′51" (J2000) ℓ: 52.48 b: 78.63

DATE: 1980/186 - 1980/186 LIVETIME: 2592.6s ROLL ANGLE: 55.9° NH: 1.2E+20 REF/ID: FIELD FLAGS:



SEYFERT GALAXY SURVEY: MKN 270:

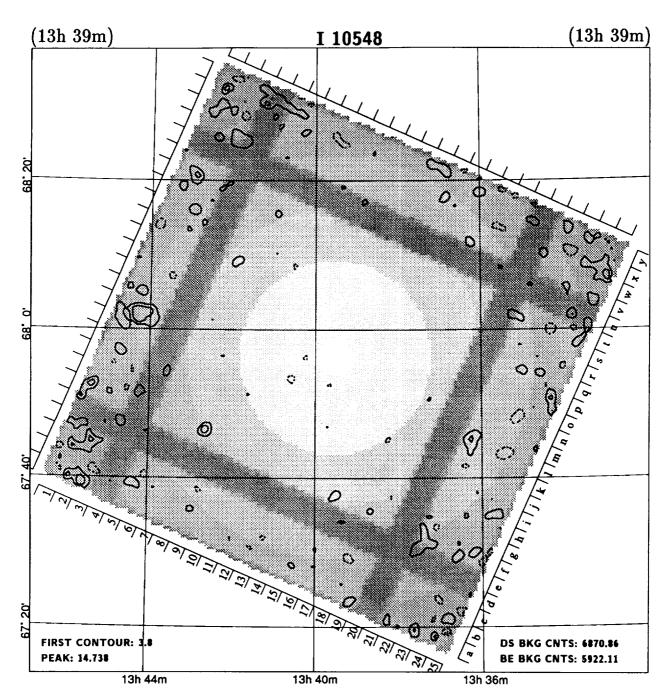
FIELD CENTER: 13^h 39^m 24.0^s 67°55′59" (B1950) 13^h 40^m 48.4^s 67°40′51" (J2000)

ℓ: 115.86 b: 48.76

DATE: 1979/119 - 1979/119 LIVETIME: 1865.1s

ROLL ANGLE: 11.1°

NH: 1.8E+20 REF/ID: FIELD FLAGS: C



MKN 270 SEYFERT FOLLOWUP

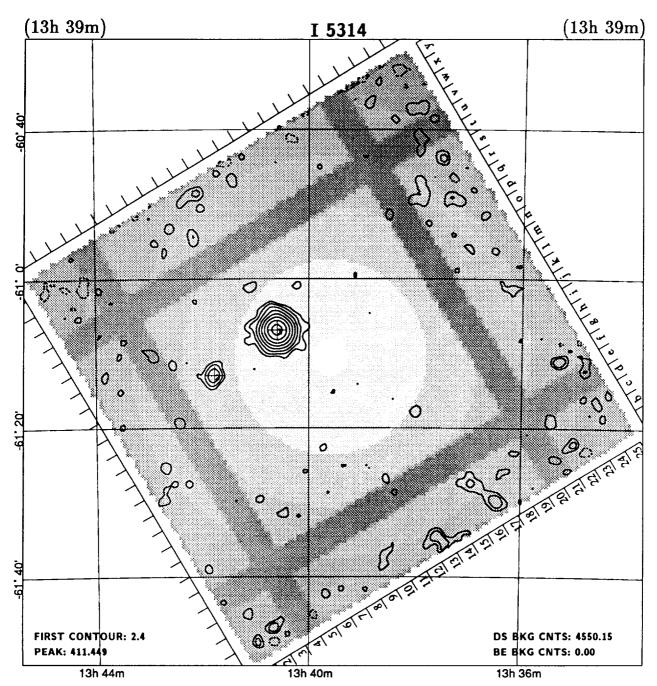
FIELD CENTER: 13^h 39^m 24.0^s 67°55'59" (B1950) 13^h 40^m 48.4^s 67°40'51" (J2000)

ℓ: 115.86 *b*: 48.76

DATE: 1981/ 42 - 1981/ 43 LIVETIME: 5567.7s

ROLL ANGLE: -66.2°

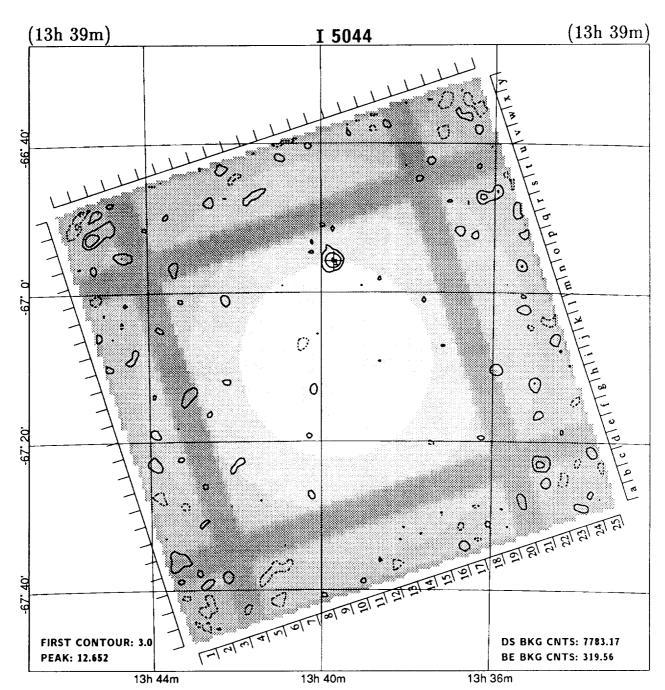
NH: 1.8E+20 REF/ID: FIELD FLAGS: CL



SEARCH FOR YOUNG GALACTIC SNR

FIELD CENTER: $13^h 39^m 33.1^s$ -61°09′57″ (B1950) $13^h 42^m 59.0^s$ -61°25′03″ (J2000) ℓ : 309.06 b: 0.84 DATE: 1980/ 40 - 1980/ 40 LIVETIME: 3687.16 ROLL ANGLE: -121.1° NH: 1.7E+21 REF/ID: FIELD FLAGS: L

	CAT	FLD	RA	DEC	±	COUNT	±	NET	BKG	S/N	SIZE	RECO	R'	SRC	ID
	#	#	(1950)	(1950)	"	RATE		стѕ	CTS	_	COR			FLG	
Γ	3127	1L	13 40 35.7	-61 06 52	37	0.551	0.018	1390.5	167.5	31.0	1.3	0	8.2	a	
L	3131	2L	13 41 46.8	-61 12 59	50	0.0179	0.0039	38.1	12.9	4.4	0.9	0	16.4		



HD 119078,WR STARS W/ OVI EMISSION

FIELD CENTER: 13^h39^m34.0^s -67°08'56" (B1950) 13^h43^m16.1^s -67°24'02" (J2000)

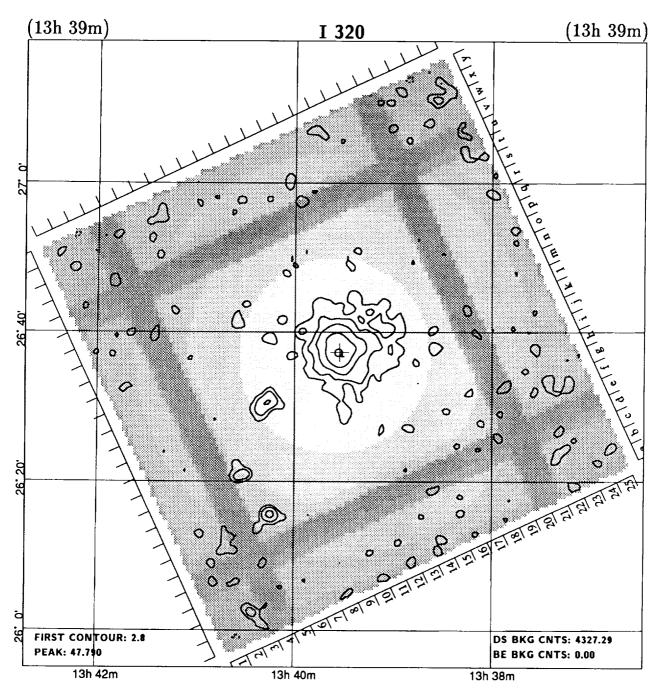
ℓ: 307.89 b: -5.03

DATE: 1980/ 24 - 1980/ 24 LIVETIME: 6307.0s

ROLL ANGLE: -108.0°

NH: 1.6E+21 REF/ID: S FIELD FLAGS:

CAT	FLD	RA	DEC	±	COUNT	±	NET	BKG	S/N	SIZE	RECO	R'	SRC	ID
#	#	(1950)	(1950)	"	RATE		CTS	CTS		COR			FLG	
3125	1	13 39 42.4	-66 55 48	41	0.0087	0.0018	33.8	16.2	4.8	0.9	0	13.2	Н	

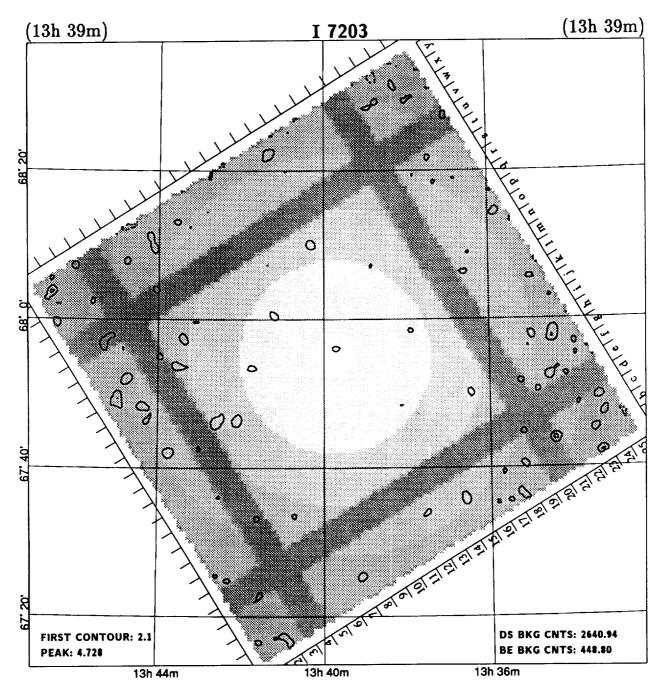


A 1775 CLUSTERS WITH TAILED RADIO SOURCES

FIELD CENTER: $13^h 39^m 36.0^s 26^\circ 36' 59''$ (B1950) $13^h 41^m 55.6^s 26^\circ 21' 53''$ (J2000) ℓ : 31.92 b: 78.71

DATE: 1978/360 - 1978/360 LIVETIME: 3506.56 ROLL ANGLE: -115.1° NH: 1.1E+20 REF/ID: FIELD FLAGS: LS

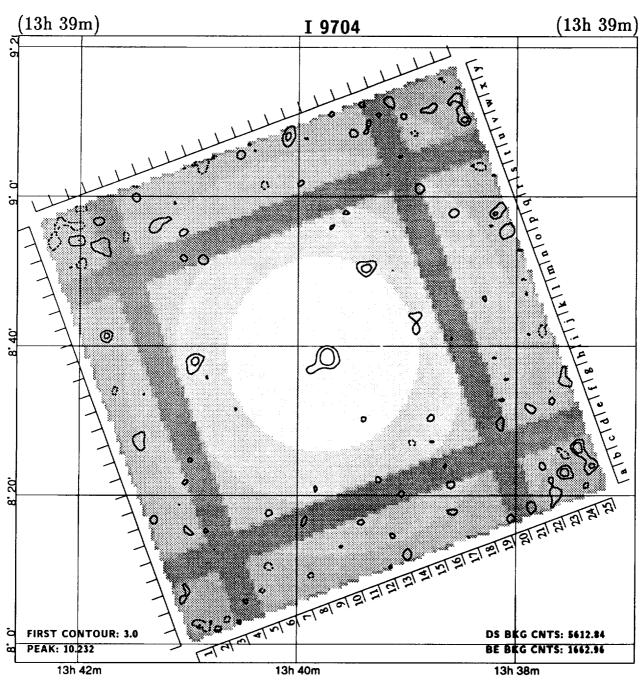
CAT	FLD	RA	DEC	±	COUNT	±	NET	BKG	S/N	SIZE	RECO	R'	SRC	ID
#	#	(1950)	(1950)	"	RATE		стѕ	CTS		COR			FLG	
3123	1L	13 39 32.5	26 37 19	31	0.0431	0.0077	112.4	144.6	5.5	4.6	0	0.2		CLG



MKN 270, VARIABILITY OF TYPE 2 SEYFERTS

FIELD CENTER: $13^h 39^m 40.7^s$ $67^o 55' 32''$ (B1950) $13^h 41^m 05.0^s$ $67^o 40' 25''$ (J2000) ℓ : 115.82 b: 48.76

DATE: 1980/356 - 1980/356 LIVETIME: 2140.06 ROLL ANGLE: -121.6° NH: 1.8E+20 REF/ID: FIELD FLAGS:



F0-G5 STARS: HR 5156

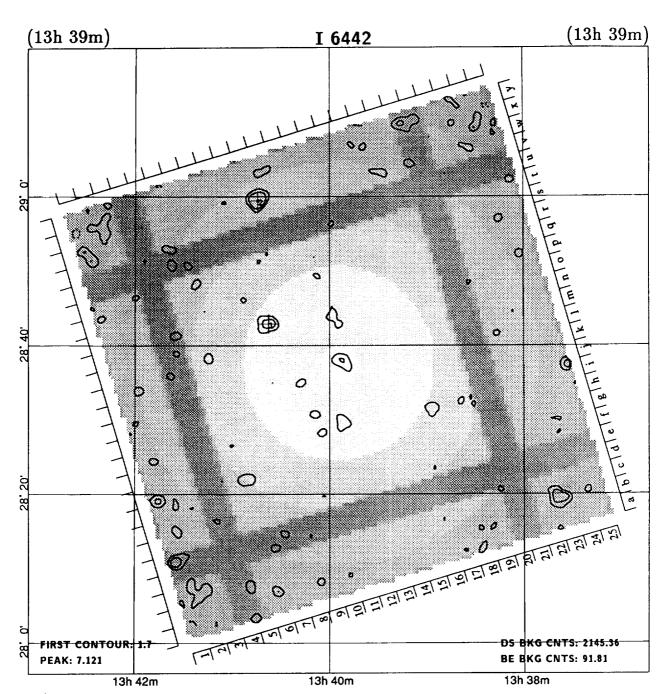
FIELD CENTER: 13h39m44.5 08°39'28" (B1950) 13^h42^m14.0^s 08°24'22" (J2000)

ℓ: 337.99 b: 67.75

DATE: 1981/ 28 - 1981/ 28 LIVETIME: 4548.3s

REF/ID: ROLL ANGLE: -110.4° FIELD FLAGS: L

NH: 2.1E+20



NGC 5272,GLOBULAR CLUSTER SURVEY

FIELD CENTER: 13^h 39^m 54.0^s 28°37'59" (B1950) 13^h 42^m 12.2^s 28°22'53" (J2000)

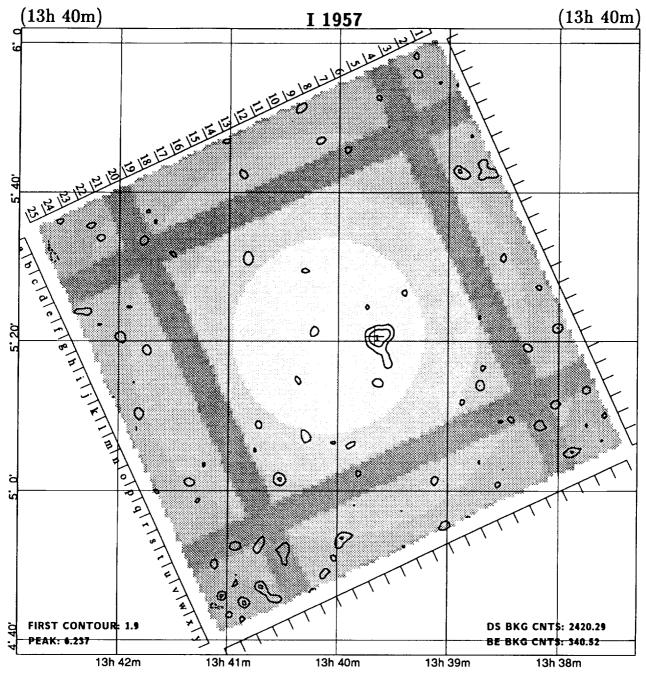
ℓ: 42.24 b: 78.70

DATE: 1981/ 17 - 1981/ 17 LIVETIME: 1738.5s

ROLL ANGLE: -106.5°

NH: 1.2E+20 REF/ID: ! FIELD FLAGS:

CAT	FLD	RA	DEC	±	COUNT	±	NET	BKG	S/N	SIZE	RECO	R'	SRC	ID
#	#	(1950)	(1950)	"	RATE		CTS	CTS		COR			FLG	
3128	1	13 40 37.7	28 42 56	46	0.0166	0.0043	18.9	5.1	3.9	0.8	0	11.0	Н	
3129	2	13 40 44.5	28 59 27	54	0.0240	0.0062	18.3	3.7	3.9	0.8	0	24.3	Н	

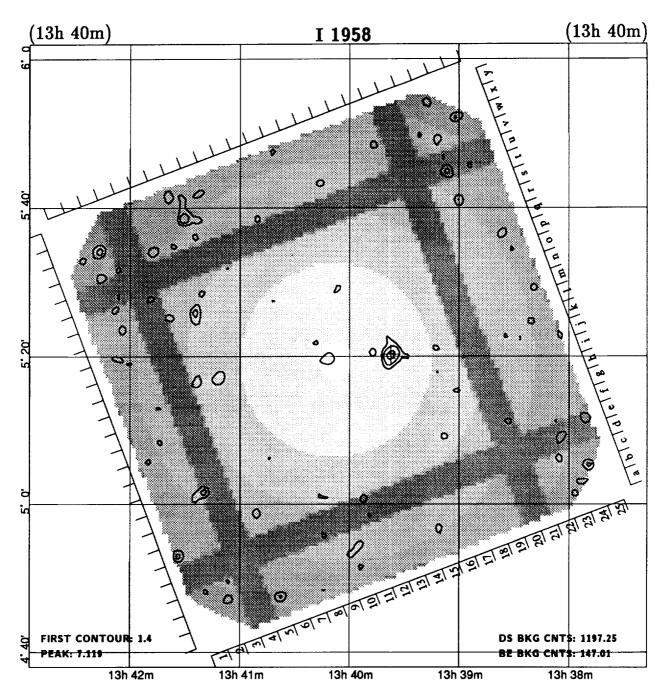


4C 05.57: SEYFERT AND N-TYPE GALAXIES

FIELD CENTER: $13^h 40^m 06.0^s 05^o 19'59''$ (B1950) $13^h 42^m 37.1^s 05^o 04'54''$ (J2000) ℓ : 334.14 b: 64.81

DATE: 1979/182 - 1979/182 LIVETIME: 1961.2s ROLL ANGLE: 64.9° NH: 2.0E+20 REF/ID: FIELD FLAGS: C

CAT	FLD	RA	DEC	±	COUNT	±	NET	BKG	S/N	SIZE	RECO	R'	SRC	ID
#	#	(1950)	(1950)	"	RATE		CTS	CTS		COR			FLG	
3124	1	13 39 40.1	05 20 38	43	0.0161	0.0039	22.2	6.8	4.1	1.4	0	7.1	AH	AGN



4C 05.57: SEYFERT AND N-TYPE GALAXIES

FIELD CENTER: 13^h40^m06.0^s 05°19'59" (B1950) 13^h42^m37.1^s 05°04′54" (J2000)

l: 334.14 b: 64.81

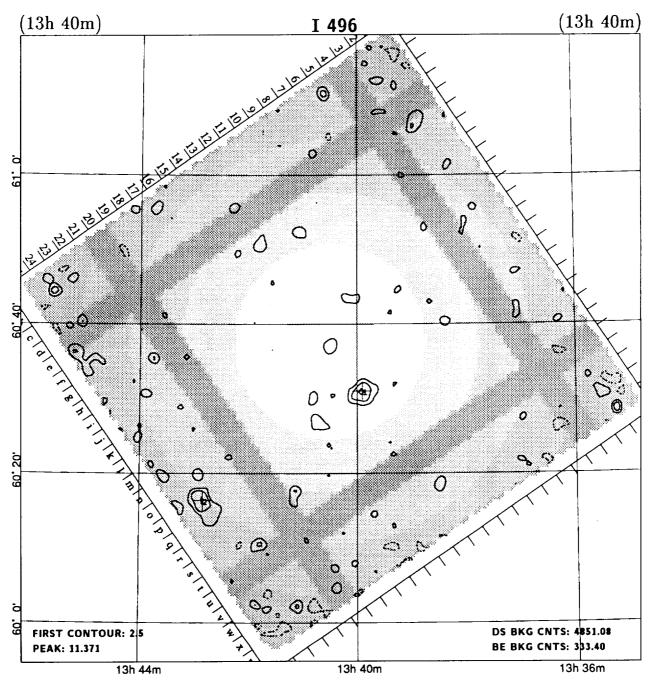
DATE: 1980/ 17 - 1980/ 17 LIVETIME: 970.2s

REF/ID:

ROLL ANGLE: -110.6° FIELD FLAGS: C

NH: 2.0E+20

CAT	FLD	RA	DEC	±	COUNT	±	NET	BKG	S/N	SIZE	RECO	R'	SRC	ID
#	#	(1950)	(1950)	"	RATE		стѕ	CTS		COR			FLG	
3124	1	13 39 37.3	05 20 17	42	0.0353	0.0078	23.7	3.3	4.6	1.0	0	6.8	AH	AGN



3CR 288.1 (QSO 1340+606) QUASAR SURVEY

FIELD CENTER: 13^h40^m29.9^s 60°36'47" (B1950) 13^h42^m13.1^s 60°21'42" (J2000)

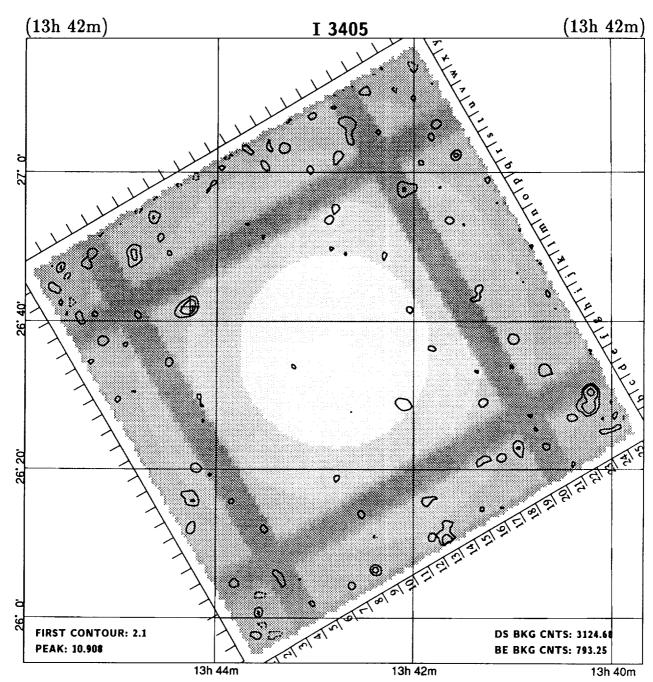
ℓ: 111.82 b: 55.66

DATE: 1979/171 - 1979/171 LIVETIME: 3931.0s

ROLL ANGLE: 55.7°

NH: 1.9E+20 REF/ID: ! FIELD FLAGS:

CAT	FLD	RA	DEC	±	COUNT	±	NET	BKG	S/N	SIZE	RECO	R'	SRC	ID
#	#	(1950)	(1950)	"	RATE		CTS	CTS		COR			FLG	
3126	1	13 39 54.2	60 31 04	41	0.0139	0.0026	37.6	12.4	5.3	1.1	0	7.4	Н	S
3132	2	13 42 50.6	60 16 23	55	0.0156	0.0037	24.0	9.0	4.2	1.3	0	26.7	Н	



A 1795 HALO EMISSION AROUND CLUSTER

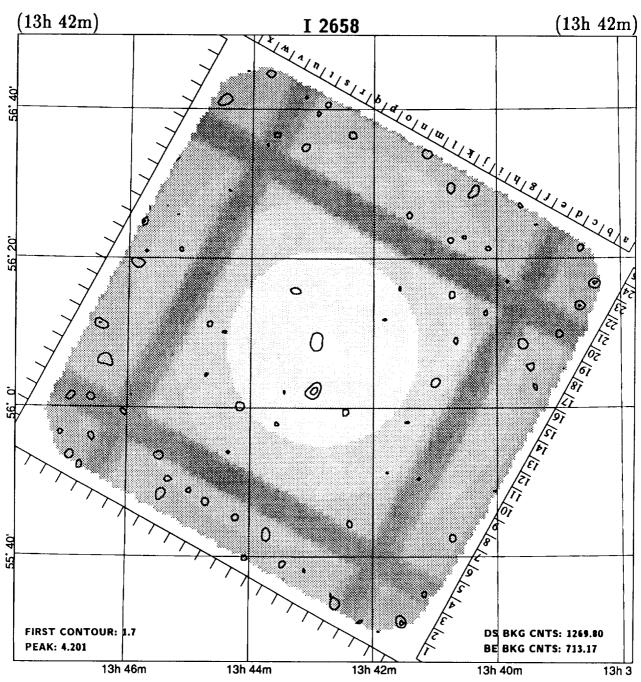
FIELD CENTER: 13^h42^m48.0^s 26°35′59" (B1950) 13^h45^m07.1^s 26°20′59" (J2000)

13"45" 07.1° 26° 20' 59" (J2 \(\ell: 32.26 \) b: 78.00 DATE: 1978/360 - 1978/360 LIVETIME: 2532.0s

ROLL ANGLE: -120.4° FIEL

NH: 1.1E+20 REF/ID: FIELD FLAGS:

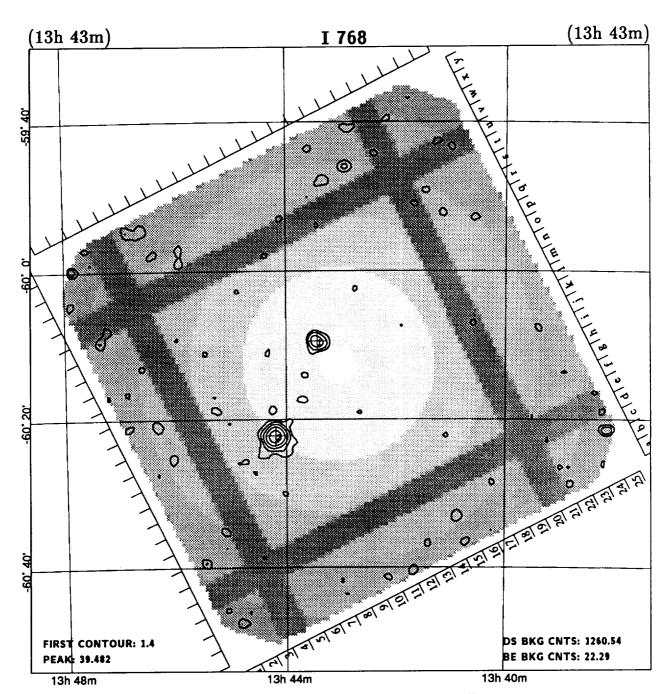
CAT	FLD	RA	DEC	±	COUNT	±	NET	BKG	S/N	SIZE	RECO	R'	SRC	ID
#	#	(1950)	(1950)	"	RATE		CTS	CTS		COR			FLG	
3137	1	13 44 16.3	26 41 56	52	0.0157	0.0041	19.9	7.1	3.8	0.9	200	20.8	Н	



SEYFERT GALAXY SURVEY: MKN 273:

FIELD CENTER: 13^h42^m48.0^s 56°07'59" (B1950) 13^h44^m38.4^s 55°52'58" (J2000) *l*: 108.12 *b*: 59.69

DATE: 1979/325 - 1979/325 LIVETIME: 1029.0s ROLL ANGLE: -151.1° NH: 1.0E+20 REF/ID: FIELD FLAGS:



KE 19 A,B SNR'S, SEARCH FOR X-RAY EMISSION

FIELD CENTER: 13^h43^m00.0^s -60°11'59" (B1950) 13^h46^m25.5^s -60°26'89" (J2000)

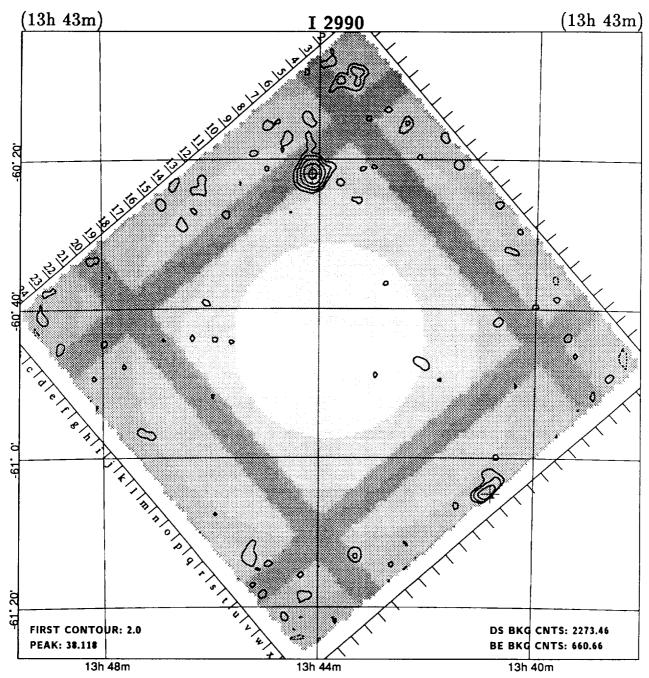
l: 309.67 b: 1.70

DATE: 1979/ 35 - 1979/ 35 LIVETIME: 1021.5•

ROLL ANGLE: -116.6°

NH: 1.7E+21 REF/ID: FIELD FLAGS:

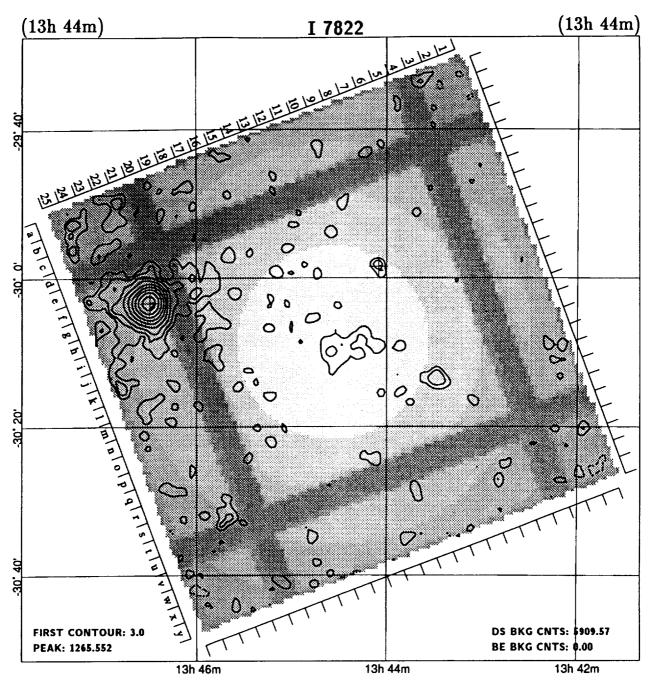
CAT	FLD	RA	DEC	±	COUNT	±	NET	BKG	S/N	SIZE	RECO	R'	SRC	D
#	#	(1950)	(1950)	"	RATE		CTS	CTS		COR			FLG	
3133	1	13 43 25.9	-60 09 26	35	0.0447	0.0082	32.8	3.2	5.5	0.8	0	4.2		
3136	2	13 44 11.6	-60 22 11	38	0.172	0.017	110.2	2.8	10.4	1.1	0	13.6	AH	



MX AND ARIEL SOURCES: A1343-60

FIELD CENTER: $13^h 43^m 48.0^s$ -60°44′59″ (B1950) $13^h 47^m 15.0^s$ -60°59′57″ (J2000) ℓ : 309.65 b: 1.14 DATE: 1979/240 - 1979/240 LIVETIME: 1842.36 ROLL ANGLE: 49.4° NH: 1.7E+21 REF/ID: FIELD FLAGS:

CAT	FLD	RA	DEC	±	COUNT	±	NET	BKG	S/N	SIZE	RECO	R'	SRC	ΙD
#	#	(1950)	(1950)	"	RATE		стѕ	CTS		COR			FLG	
3130	1	13 40 47.4	-61 04 46	50	*0.155	0.021	56.8	4.2	7.3	1.8	806	29.7	aEH	
3136	2	13 44 08.2	-60 22 00	48	*0.122	0.012	106.3	2.7	10.2	1.3	1006	23.2	AH	



NGC 5291

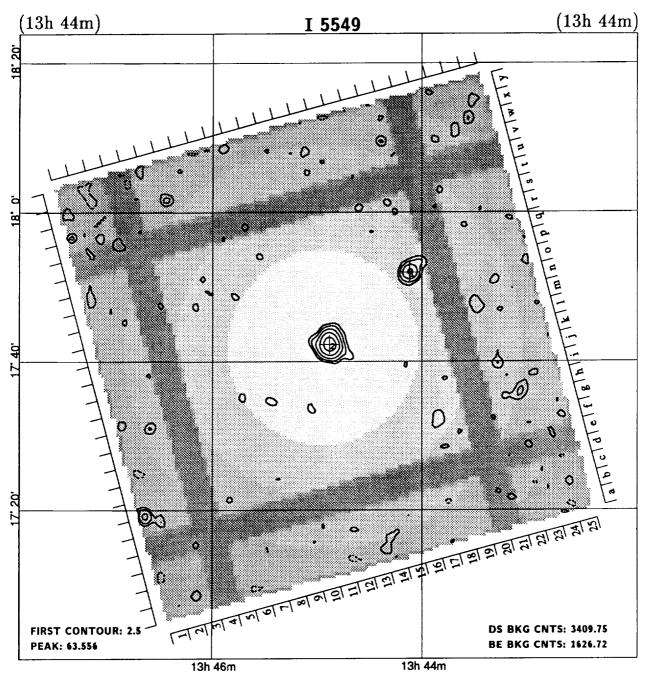
FIELD CENTER: 13^h44^m35.0^s -30°09'35" (B1950) 13h47m26.2s -30°24'32" (J2000)

ℓ: 317.01 b: 30.93

DATE: 1980/205 - 1980/205 LIVETIME: 4788.7s ROLL ANGLE: 69.4°

NH: 4.3E+20 REF/ID: FIELD FLAGS: L

CAT	FLD	RA	DEC	±	COUNT	±	NET	BKG	S/N	SIZE	RECO	R'	SRC	ID
#	#	(1950)	(1950)	"	RATE		CTS	CTS		COR			FLG	
3134	1L	13 44 05.0	-29 58 27	46	0.0096	0.0025	29.6	12.4	3.7	0.6	0	12.9		
3141	2L	13 46 29.1	-30 03 21	47	*1.329	0.033	2683.8	280.6	40.3	1.3	601	25.5		



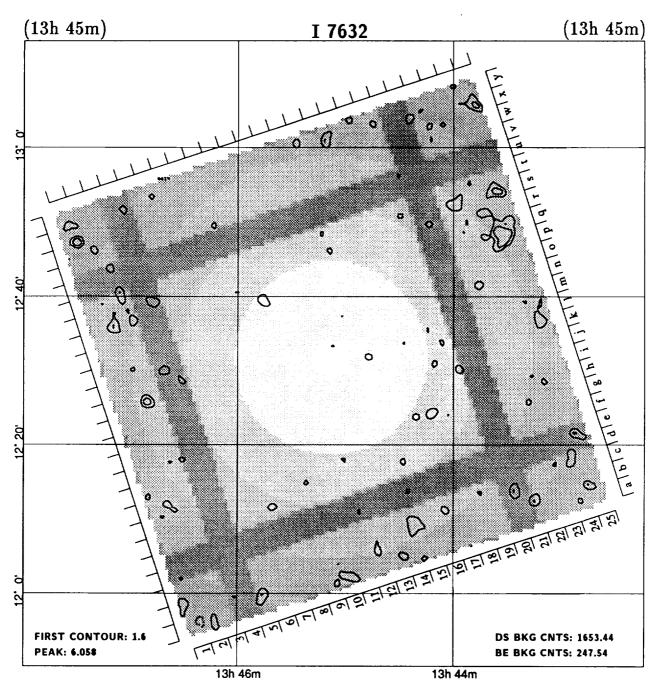
Tau BOO

FIELD CENTER: $13^{h}44^{m}54.0^{s}$ $17^{o}41'59''$ (B1950) $13^{h}47^{m}18.3^{s}$ $17^{o}27'03''$ (J2000) ℓ : 358.94 b: 73.88 DATE: 1981/ 26 - 1981/ 26 LIVETIME: 2763.0e

ROLL ANGLE: -104.9°

NH: 1.9E+20 REF/ID: FIELD FLAGS: L

SRC ID SIZE RECO COUNT NET BKG S/N CAT FLD RA DEC ± RATE CTS **CTS** COR FLG (1950)(1950)15.1 1L 13 44 07.0 17 51 55 0.0323 0.0060 52.2 15.8 5.3 1.0 100 3138 2L 13 44 52.8 17 42 16 31 0.1160 0.0091 238.5 34.5 12.6 1.2 0.4 S



1345+12,LOW FREQUENCY VARIABLES

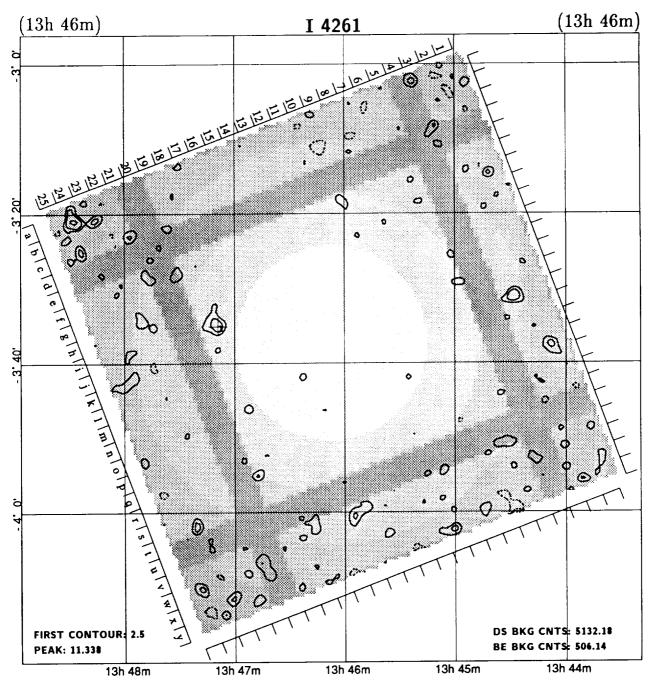
FIELD CENTER: 13^h45^m06.2^s 12°32′19" (B1950) 13^h47^m33.4^s 12°17′23" (J2000)

ℓ: 347.22 b: 70.17

DATE: 1980/ 22 - 1980/ 22 LIVETIME: 1339.8s

ROLL ANGLE: -108.1°

NH: 1.9E+20 REF/ID: FIELD FLAGS:

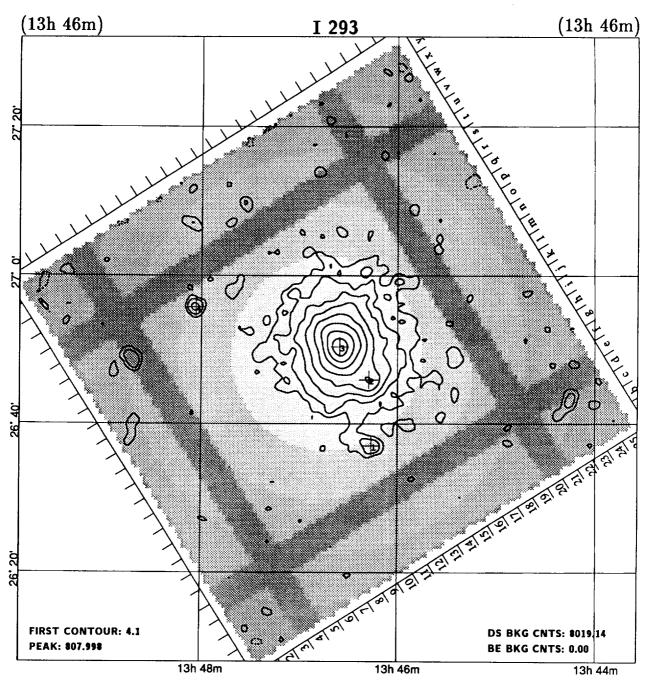


OPTICALLY BRIGHT, RADIO-QUIET QSO

FIELD CENTER: $13^{h}46^{m}08.0^{s}$ $-03^{o}38'03''$ (B1950) $13^{h}48^{m}43.7^{s}$ $-03^{o}52'58''$ (J2000) ℓ : 329.16 b: 56.04

DATE: 1979/203 - 1979/203 LIVETIME: 4158.8s ROLL ANGLE: 69.3° NH: 2.6E+20 REF/ID: FIELD FLAGS:

CAT	FLD	RA	DEC	±	COUNT	±	NET	BKG	S/N	SIZE	RECO	R'	SRC I	ID
#	#	(1950)	(1950)	"	RATE		CTS	CTS		COR			FLG	
3143	1	13 47 09.0	-03 35 02	52	0.0093	0.0024	22.6	11.4	3.9	1.0	100	16.5	н	

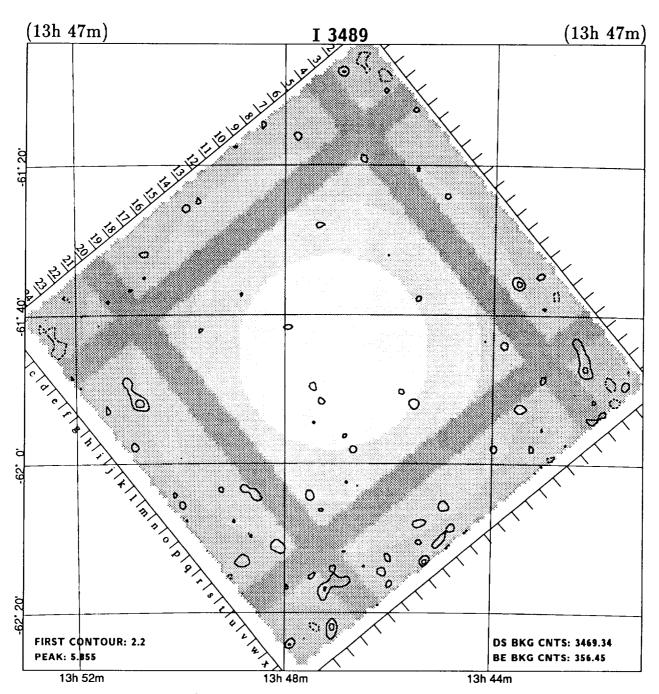


A1795 DETAILED CLUSTER STUDY

FIELD CENTER: $13^h 46^m 42.0^s$ $26^o 49'59''$ (B1950) $13^h 49^m 00.5^s$ $26^o 35'06''$ (J2000) ℓ : 33.79 b: 77.16

DATE: 1978/358 - 1978/358 LIVETIME: 6498.2s ROLL ANGLE: -122.3° NH: 1.2E+20 REF/ID: FIELD FLAGS: L

CAT	FLD	RA	DEC	±	COUNT	±	NET	BKG	S/N	SIZE	RECO	R'	SRC	ID
#	#	(1950)	(1950)	"	RATE		CTS	CTS		COR			FLG	
3139	1L	13 46 16.0	26 37 01	43	0.0124	0.0025	49.2	22.8	4.8	194.7	0	14.2		
3140	2L	13 46 17.5	26 46 00	38	0.0326	0.0050	148.4	188.6	6.4	34.1	0	6.7		
3142	3L	13 46 35.4	26 50 23	31	0.517	0.015	2476.6	1327.4	33.5	3.3	0	1.5		CLG
3144	4L	13 48 03.4	26 55 44	50	0.0148	0.0028	50.6	15.4	5.2	0.8	100	19.0		



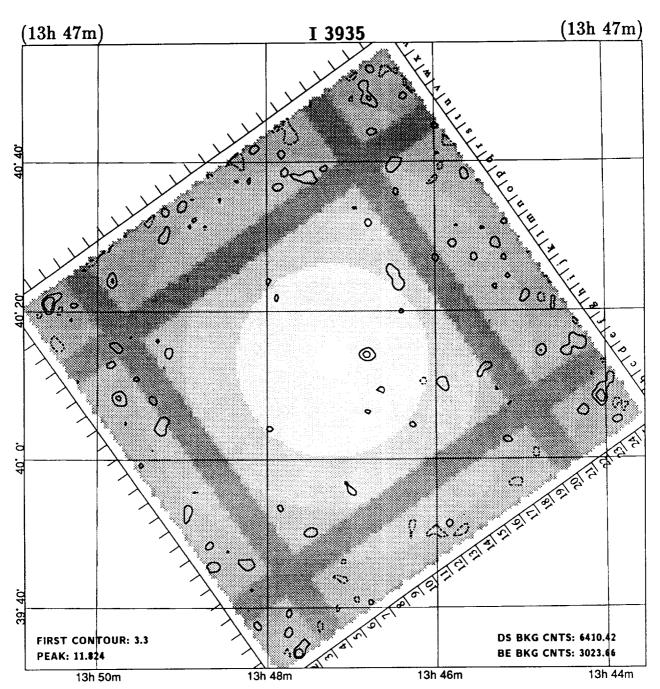
1347-617/G309.8+0.0,COMPACT RADIO SOURCE ASSOCIATED WITH SNR

FIELD CENTER: 13^h47^m04.0^s -61°45'53" (B1950) $13^h 50^m 34.9^s$ -62°00′45″ (J2000)

ℓ: 309.81 b: 0.07

DATE: 1979/239 - 1979/239 LIVETIME: 2811.3s ROLL ANGLE: 50.6°

NH: 1.7E+21 REF/ID: FIELD FLAGS:



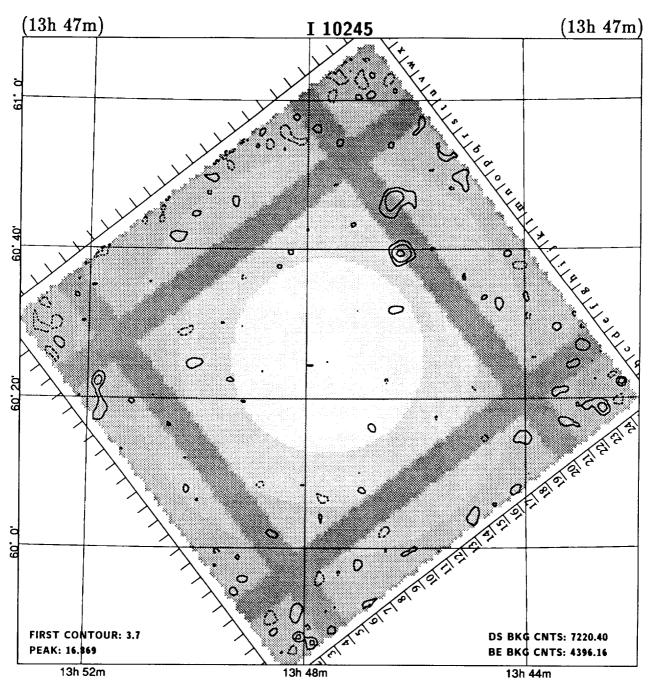
TG 77 GROUP OF GALAXIES

FIELD CENTER: $13^h 47^m 12.0^s 40^\circ 13'58''$ (B1950) $13^h 49^m 20.1^s 39^\circ 59'06''$ (J2000) ℓ : 83.59 b: 72.42

DATE: 1979/347 - 1979/347 LIVETIME: 5194.6s ROLL ANGLE: -125.1°

REF/ID: FIELD FLAGS: L

NH: 9.2E+19



N 5322: E & SO GALAXIES W/ COMPACT NUCLEAR RADIO CORES

FIELD CENTER: 13^h47^m35.1^s 60°26'20" (B1950) 13^h49^m15.4^s 60°11'28" (J2000)

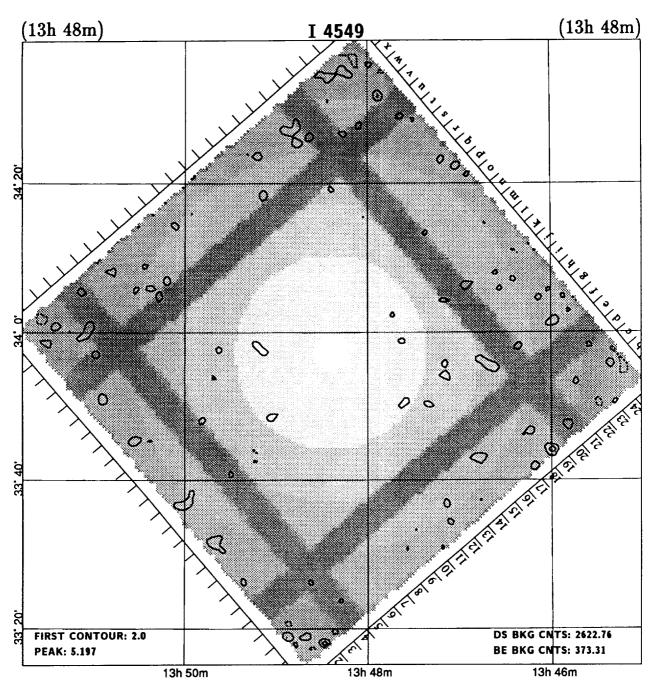
ℓ: 110.28 b: 55.49

DATE: 1980/358 - 1980/358 LIVETIME: 5851.0s

ROLL ANGLE: -127.7°

NH: 1.8E+20 REF/ID:

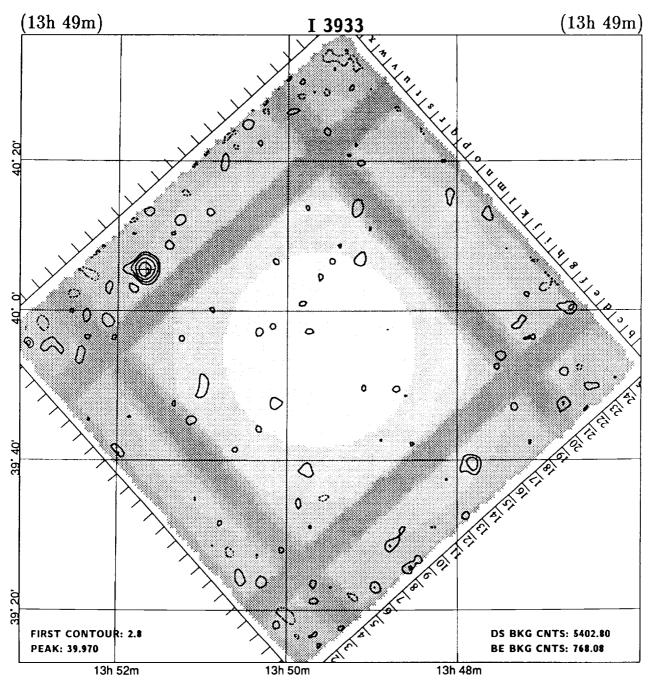
FIELD FLAGS: LS



NGC 5318, EL & SO GAL. WITH COMPACT RADIO CORE

FIELD CENTER: $13^h 48^m 23.4^s$ $33^o 57' 14''$ (B1950) $13^h 50^m 36.5^s$ $33^o 42' 25''$ (J2000) ℓ : 63.84 b: 75.67

DATE: 1979/348 - 1979/348 LIVETIME: 2125.3s ROLL ANGLE: -130.4° NH: 1.2E+20 REF/ID: FIELD FLAGS:

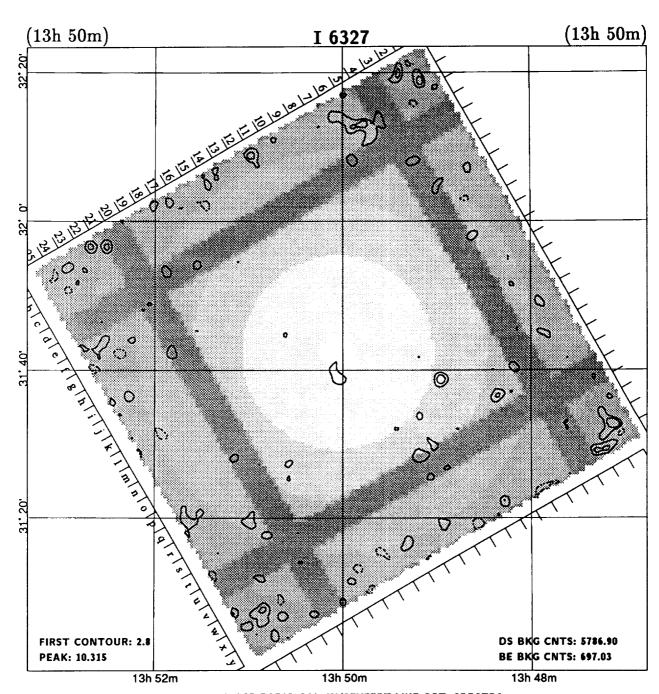


TG 77 GROUP OF GALAXIES

FIELD CENTER: $13^h 49^m 30.0^s 39^\circ 54'57''$ (B1950) $13^h 51^m 37.9^s 39^\circ 40'09''$ (J2000) ℓ : 81.84 b: 72.30

DATE: 1979/347 - 1979/347 LIVETIME: 4378.1s ROLL ANGLE: -131.9° NH: 9.6E+19 REF/ID: FIELD FLAGS:

COUNT SIZE RECO CAT FLD RA DEC \pm NET BKG SRC (1950) RATE (1950) CTS CTS COR FLG 27.3 13 51 40.6 40 05 29 0.0432 0.0052 78.2 8.4 1.1 ΑH 3146



3CR 293, 3CR RADIO GAL. W/SEYFERT-LIKE OPT. SPECTRA

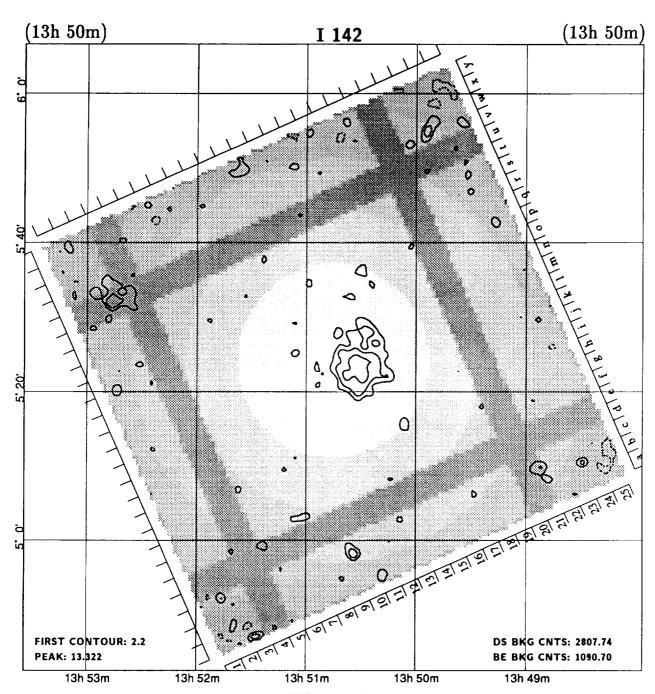
FIELD CENTER: 13^h50^m03.4^s 31°41'31" (B1950) 13^h52^m18.0^s 31°26'45" (J2000)

ℓ: 54.59 b: 76.06

DATE: 1980/181 - 1980/181 LIVETIME: 4689.3s

LIVETIME: 4689.3s REF/ID: !
ROLL ANGLE: 60.2° FIELD FLAGS:

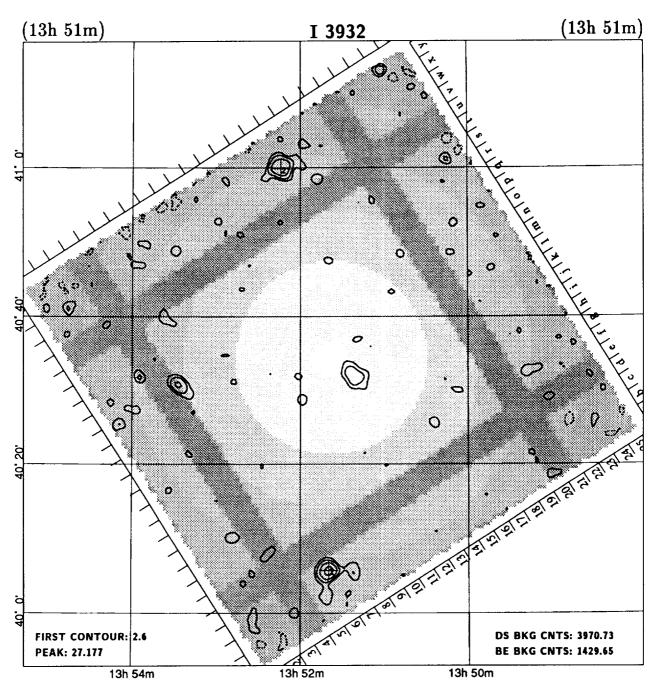
NH: 1.3E+20



A1809 CLUSTER SURFACE BRIGHTNESS

FIELD CENTER: $13^h 50^m 45.6^s 05^\circ 24'35''$ (B1950) $13^h 53^m 16.4^s 05^\circ 09'51''$ (J2000) ℓ : 339.52 b: 63.55

DATE: 1979/ 23 - 1979/ 24 LIVETIME: 2275.26 ROLL ANGLE: -114.0° NH: 2.0E+20 REF/ID: ! FIELD FLAGS: LS



TG 77 GROUP OF GALAXIES

FIELD CENTER: 13^h51^m36.0^s 40°34′58″ (B1950) 13^h53^m42.8^s 40°20′15″ (J2000)

l: \$2.63 b: 71.56

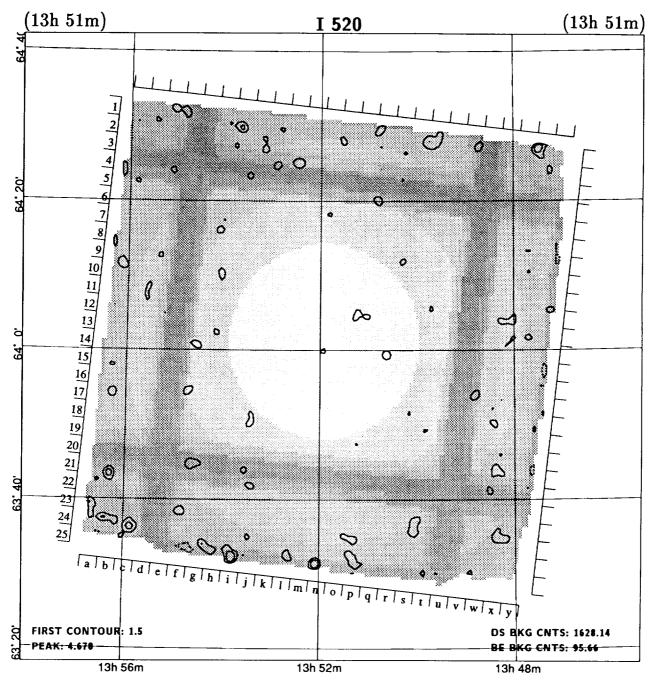
DATE: 1979/347 - 1979/347 LIVETIME: 3217.60

ROLL ANGLE: -122.3°

NH: 1.1E+20 REF/ID:

FIELD FLAGS: LS

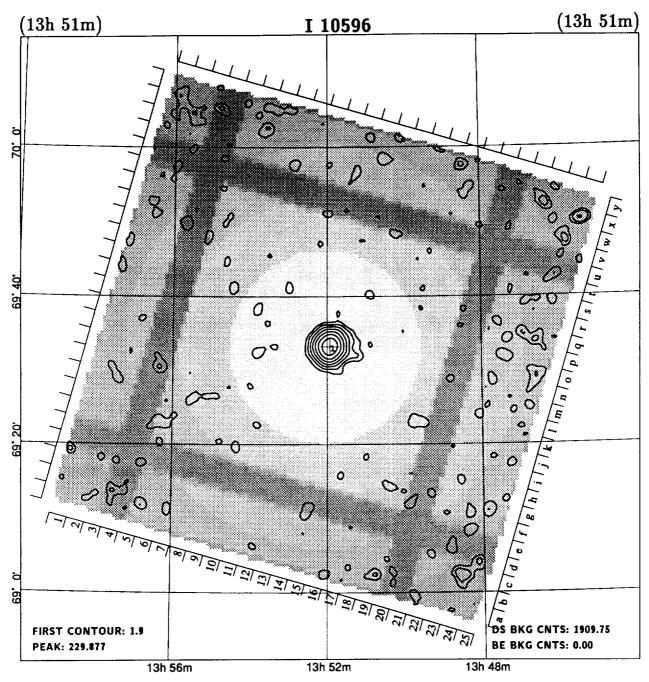
Г	CAT	FLD	RA	DEC	±	COUNT	±	NET	BKG	S/N	SIZE	RECO	R'	SRC	ID
	#	#	(1950)	(1950)	"	RATE		CTS	CTS		COR			FLG	
Г	3146	1L	13 51 39.7	40 05 47	50	0.0443	0.0073	53.3	5.7	5.9	1.2	300	29.2	Α	
	3149	2L	13 52 14.0	40 59 52	50	0.0358	0.0069	46.6	13.4	5.0	1.1	0	25.8		



QSO 1351+640 QUASAR SURVEY

FIELD CENTER: $13^h 51^m 46.0^s$ $64^o 00' 27''$ (B1950) $13^h 53^m 15.5^s$ $63^o 45' 44''$ (J2000) ℓ : 111.89 b: 52.02

DATE: 1979/117 - 1979/117 LIVETIME: 1319.3s ROLL ANGLE: 6.3° NH: 2.1E+20 REF/ID: FIELD FLAGS:



MK 279

FIELD CENTER: 13^h51^m54.9^s 69°33'13" (B1950) 13^h53^m04.7^s 69°18'29" (J2000)

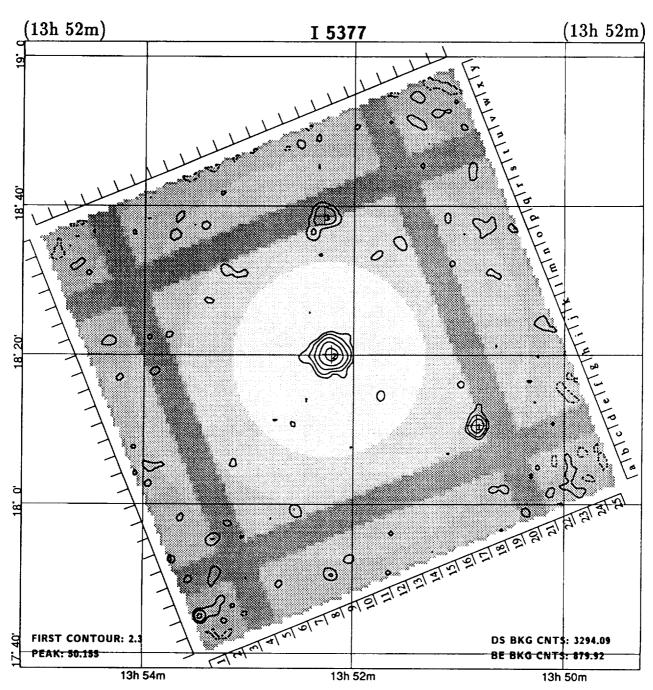
ℓ: 115.04 b: 46.86

DATE: 1981/ 40 - 1981/ 40 LIVETIME: 1547.5s

REF/ID: FIELD FLAGS: L ROLL ANGLE: -73.9°

NH: 1.9E+20

CAT	FLD	RA	DEC	±	COUNT	±	NET	BKG	S/N	SIZE	RECO	R'	SRC	ID
#	#	(1950)	(1950)	"	RATE		CTS	CTS		COR			FLG	
3147	1L	13 51 55.6	69 33 17	31	0.781	0.031	900.8	107.2	24.9	1.3	0	0.2		

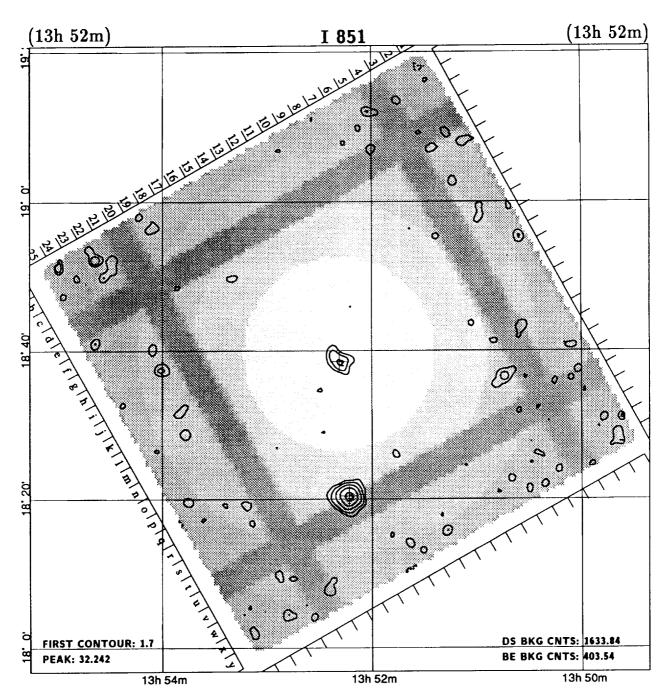


SURVEY OF BRIGHT QUASARS (PG)

FIELD CENTER: $13^h52^m12.6^s$ $18^o19'59''$ (B1950) $13^h54^m35.9^s$ $18^o05'18''$ (J2000) ℓ : 4.38 b: 72.87

DATE: 1981/ 11 - 1981/ 11 LIVETIME: 2669.3s ROLL ANGLE: -112.1° NH: 2.1E+20 REF/ID: ! FIELD FLAGS:

CAT	FLD	RA	DEC	±	COUNT	±	NET	BKG	S/N	SIZE	RECO	R'	SRC	ID
#	#	(1950)	(1950)	"	RATE		CTS	CTS		COR			FLG	
3145	1	13 50 49.6	18 10 38	50	*0.0278	0.0052	35.7	8.3	5.4	0.9	701	21.7	Н	
3148	2	13 52 12.7	18 20 05	31	0.1193	0.0079	237.0	11.0	15.1	1.6	0	0.2	AH	AGN
3150	3	13 52 17.0	18 38 39	54	*0.0198	0.0042	27.6	6.4	4.7	1.4	1109	18.8	AH	S



ETA BOO STELLAR OBSERVATIONS, G STARS

FIELD CENTER: 13^h52^m18.2^s 18°38'50" (B1950) 13^h54^m41.3^s 18°24'09" (J2000)

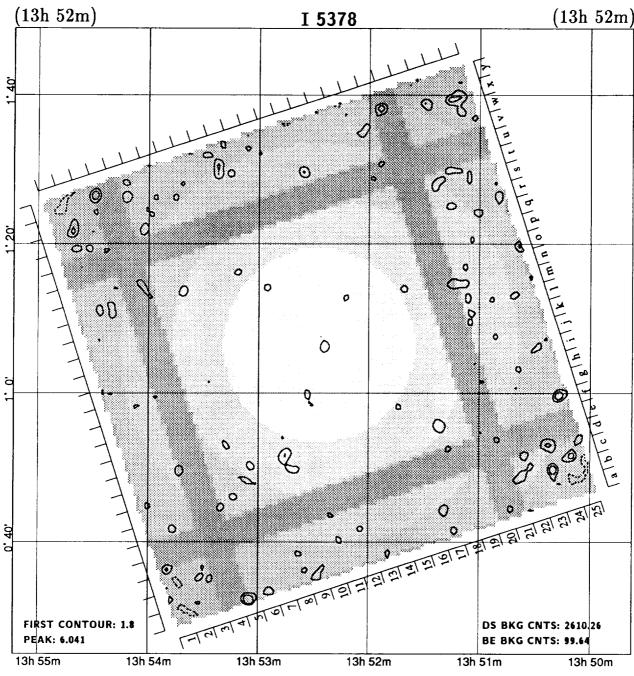
ℓ: 5.30 b: 73.03

DATE: 1979/180 - 1979/180 LIVETIME: 1323.9s

ROLL ANGLE: 60.8°

NH: 2.1E+20 REF/ID: ! FIELD FLAGS:

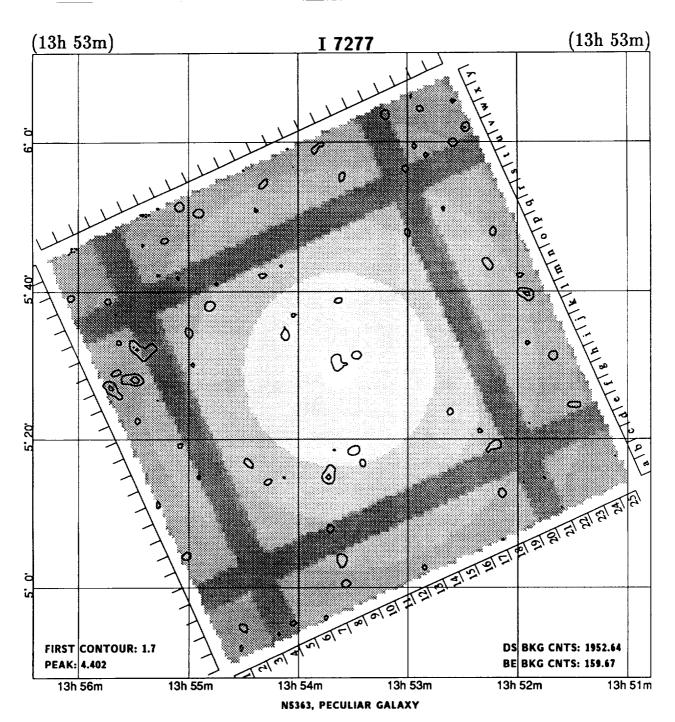
CAT	FLD	RA	DEC	±	COUNT	±	NET	BKG	S/N	SIZE	RECO	R'	SRC	ID
#	#	(1950)	(1950)	"	RATE		CTS	CTS		COR			FLG	
3148	1	13 52 13.0	18 20 26	48	*0.127	0.014	88.5	3.5	9.2	1.2	906	18.8	AH	AGN
3150	2	13 52 18.7	18 38 35	36	0.0302	0.0060	29.8	5.2	5.0	1.0	0	0.4	AH	S



SURVEY OF BRIGHT QUASARS (PG)

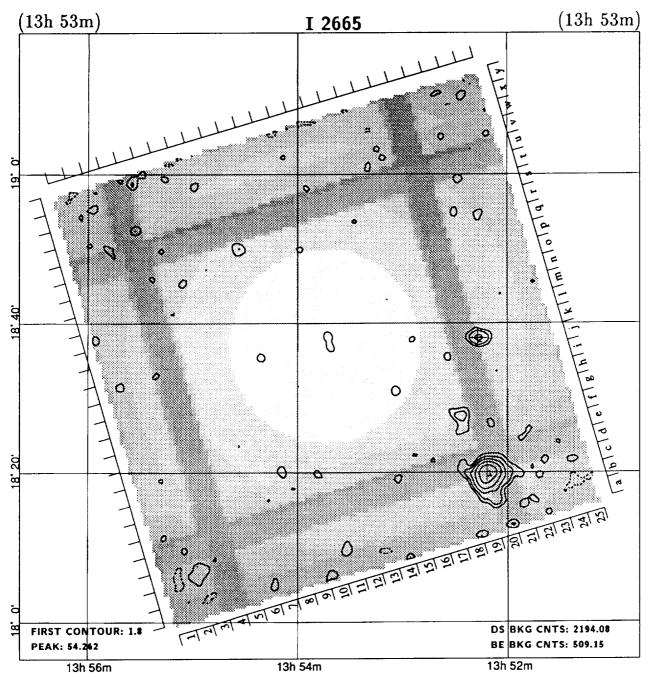
FIELD CENTER: $13^h 52^m 25.3^s 01^o 06'55''$ (B1950) $13^h 54^m 58.5^s 00^o 52'14''$ (J2000) ℓ : 335.71 b: 59.64

DATE: 1981/ 30 - 1981/ 30 LIVETIME: 2115.2s ROLL ANGLE: -108.0° NH: 2.4E+20 REF/ID: FIELD FLAGS:



FIELD CENTER: $13^h 53^m 36.1^s$ $05^\circ 29' 59''$ (B1950) $13^h 56^m 06.8^s$ $05^\circ 15' 21''$ (J2000) ℓ : 340.96 b: 63.25

DATE: 1981/ 4 - 1981/ 4 LIVETIME: 1582.3s ROLL ANGLE: -114.4° NH: 2.1E+20 REF/ID: FIELD FLAGS:

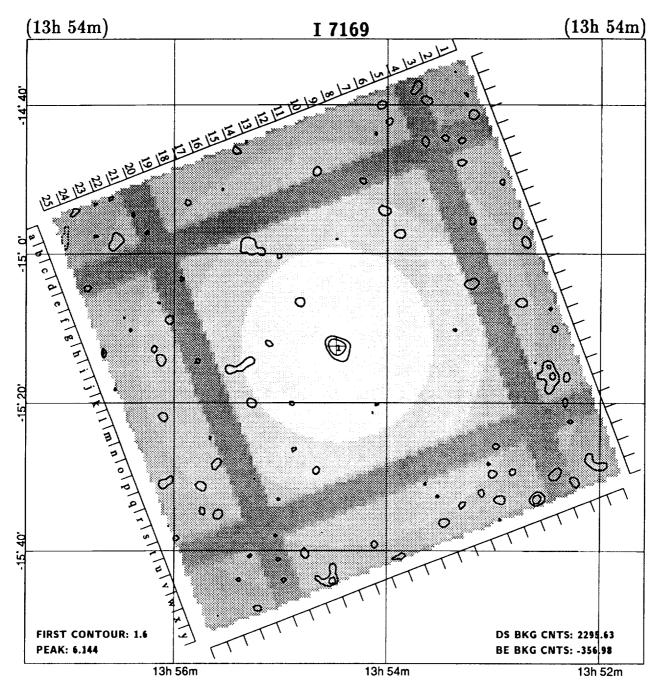


SEYFERT GALAXY SURVEY: MKN 463

FIELD CENTER: $13^h53^m42.0^s$ $18^o36'59''$ (B1950) $13^h56^m05.0^s$ $18^o22'21''$ (J2000) ℓ : 5.84 b: 72.74

DATE: 1979/ 24 - 1979/ 24 LIVETIME: 1777.9s ROLL ANGLE: -106.3° NH: 2.2E+20 REF/ID: ! FIELD FLAGS:

CAT #	FLD #	RA (1950)	DEC (1950)	± "	COUNT	±	l	BKG CTS	S/N	SIZE	RECO	R'	SRC FLG	ID
3148	1	13 52 11.6		48		0.016			10.9	1.6	1309	27.1	AH	AGN
3150	2	13 52 16.9	18 38 03	52	*0.0259	0.0058	23.2	3.8	4.5	0.8	805	20.2	AH	S

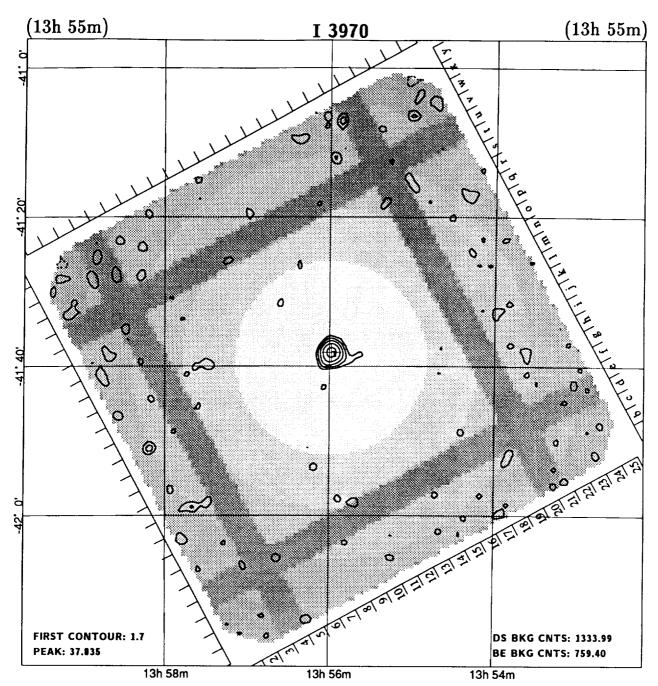


1354-15, BURSTING RADIO SOURCE

FIELD CENTER: $13^h54^m29.0^s$ -15°13'11" (B1950) $13^h57^m11.6^s$ -15°27'48" (J2000) ℓ : 325.42 b: 44.52

DATE: 1980/216 - 1980/216 LIVETIME: 1860.2s ROLL ANGLE: 68.9° NH: 7.7E+20 REF/ID: FIELD FLAGS:

ſ	CAT	FLD	RA	DEC	±	COUNT	±	NET	BKG	S/N	SIZE	RECO	R'	SRC	ID.
L	#	#	(1950)	(1950)	"	RATE		CTS	CTS		COR			FLG	
ſ	3151	1	13 54 28.8	-15 12 25	36	0.0183	0.0039	25.4	4.6	4.6	1.0	0	0.7		



1355-416, BRIGHT NEARBY QUASAR

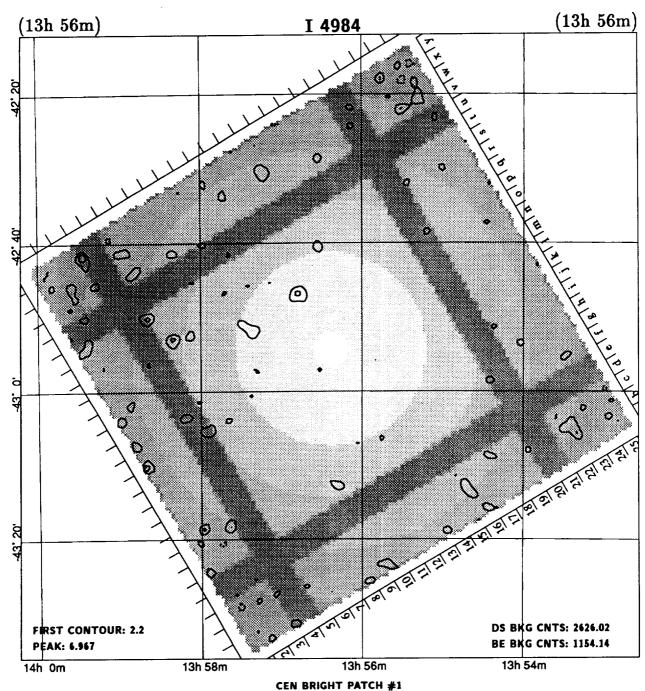
FIELD CENTER: 13^h55^m57.3^s -41°38'18" (B1950) 13^h59^m00.3^s -41°52'52" (J2000)

ℓ: 316.18 b: 19.25

DATE: 1980/ 44 - 1980/ 44 LIVETIME: 1081.0s ROLL ANGLE: -118.5°

NH: 5.5E+20 REF/ID: FIELD FLAGS: L

CAT	FLD	RA	DEC	±	COUNT	±	NET	BKG	S/N	SIZE	RECO	R'	SRC	ID
#	#	(1950)	(1950)	"	RATE		CTS	CTS		COR			FLG	
3152	1L	13 55 58.6	-41 38 07	31	0.169	0.017	136.0	9.0	10.0	1.1	0	0.4		



3... 2...

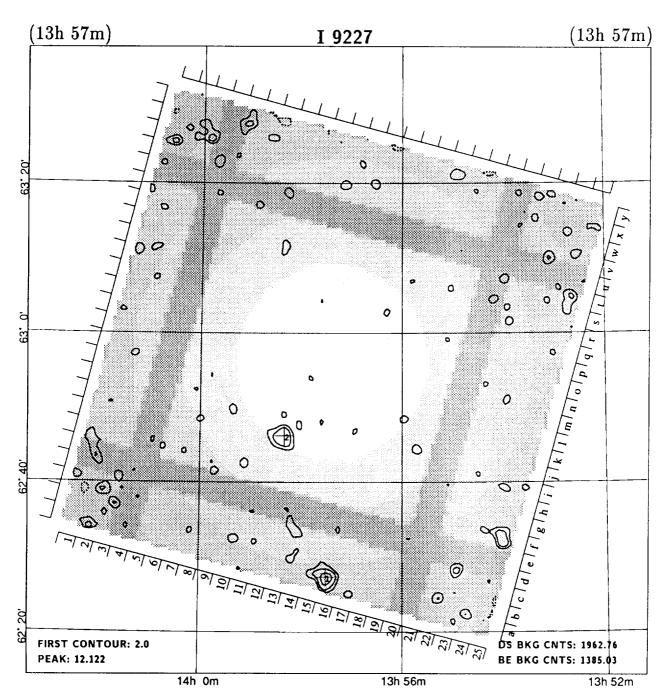
FIELD CENTER: 13^h56^m24.0² -42°53′59" (B1950) 13^h59^m28.4² -43°08'32" (J2000)

ℓ: 315.90 b: 18.01

DATE: 1980/ 47 - 1980/ 47 LIVETIME: 2128.0s

ROLL ANGLE: -120.4°

NH: 7.5E+20 REF/ID: FIELD FLAGS: L



UNIDENTIFIED 3A SOURCES:3A 1357+626

FIELD CENTER: 13^h57^m16.8^s 62°56'23" (B1950) 13h58m46.5' 62°41'51" (J2000)

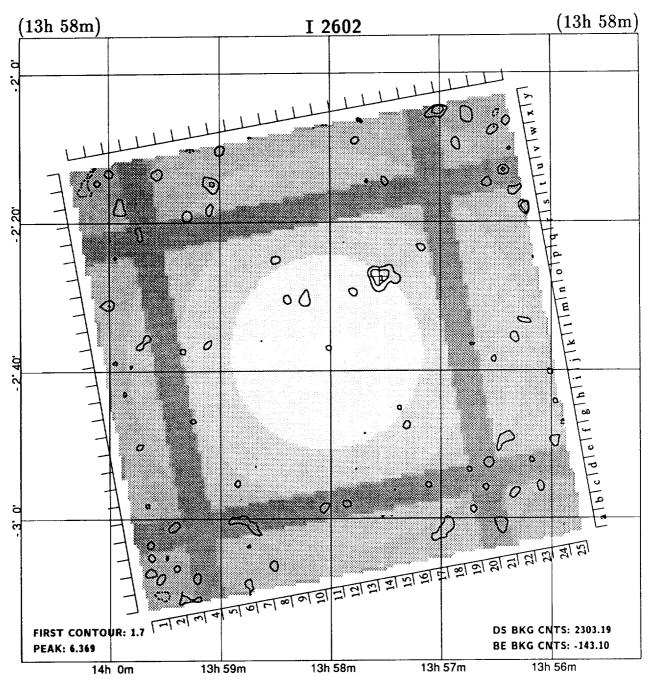
ℓ: 110.26 b: 52.74

DATE: 1981/ 40 - 1981/ 40 LIVETIME: 1590.5s

ROLL ANGLE: -75.1°

NH: 2.0E+20 REF/ID: FIELD FLAGS:

CAT	FLD	RA	DEC	±	COUNT	±	NET	BKG	S/N	SIZE	RECO	R'	SRC	D
#	#	(1950)	(1950)	"	RATE		стѕ	CTS		COR			FLG	
3154	1	13 57 30.3	62 27 17	52	0.0345	0.0087	20.2	5.8	4.0	1.0	100	29.0	AH	
3157	2	13 58 20.0	62 46 14	42	0.0283	0.0059	28.9	8.1	4.8	1.0	0	12.2	AH	İ



MKW 5: CD GALAXIES IN POOR CLUSTERS

DATE: 1979/ 23 - 1979/ 23

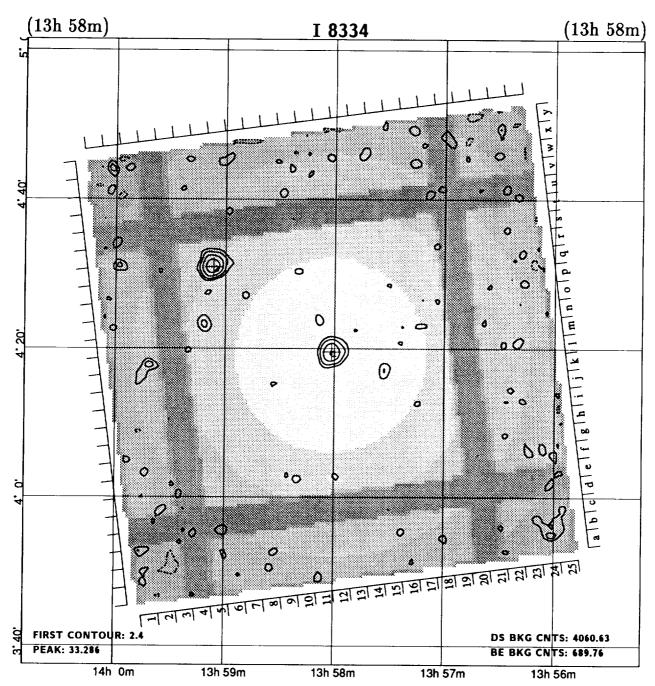
FIELD CENTER: 13^h58^m00.0^s -02°36′59" (B1950) 14^h00^m35.3^s -02°51'29" (J2000)

 14h00m35.3s -02°51'29" (J2000)
 LIVETIME: 1866.3s

 l: 334.70 b: 55.69
 ROLL ANGLE: -100.0°

NH: 3.6E+20 REF/ID: FIELD FLAGS:

CAT	FLD	RA	DEC	±	COUNT	±	NET	BKG	S/N	SIZE	RECO	R′	SRC	ID
#	#	(1950)	(1950)	"	RATE		CTS	CTS		COR			FLG	
3153	1	13 57 33.2	-02 27 23	43	0.0203	0.0046	23.9	5.1	4.4	1.2	0	12.0	Н	AGN



PG 1358+04, LOW & INTERMEDIATE REDSHIFT QSO'S W/FeII EMISSON

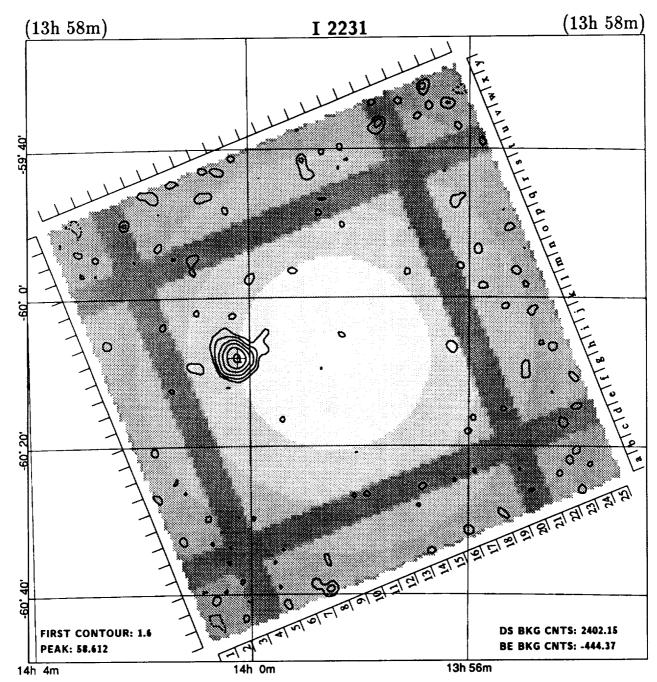
FIELD CENTER: 13^h58^m01.0^s 04°19'26" (B1950) 14^h00^m32.3^s 04°04'57" (J2000)

14"00" 32.3" 04"04"57" (J200 l: 341.54 b: 61.66 DATE: 1981/ 29 - 1981/ 29 LIVETIME: 3290.4s

ROLL ANGLE: -97.3°

NH: 2.2E+20 REF/ID: FIELD FLAGS:

CAT	FLD	RA	DEC	±	COUNT	±	NET	BKG	S/N	SIZE	RECO	R'	SRC	ID
#	#	(1950)	(1950)	"	RATE		CTS	CTS		COR			FLG	
3155	1	13 58 01.5	04 19 33	32	0.0327	0.0039	80.3	11.7	8.4	1.1	0	0.2	Н	
3160	2	13 59 06.6	04 30 51	48	0.0525	0.0059	88.1	8.9	8.9	1.1	0	20.1	н	

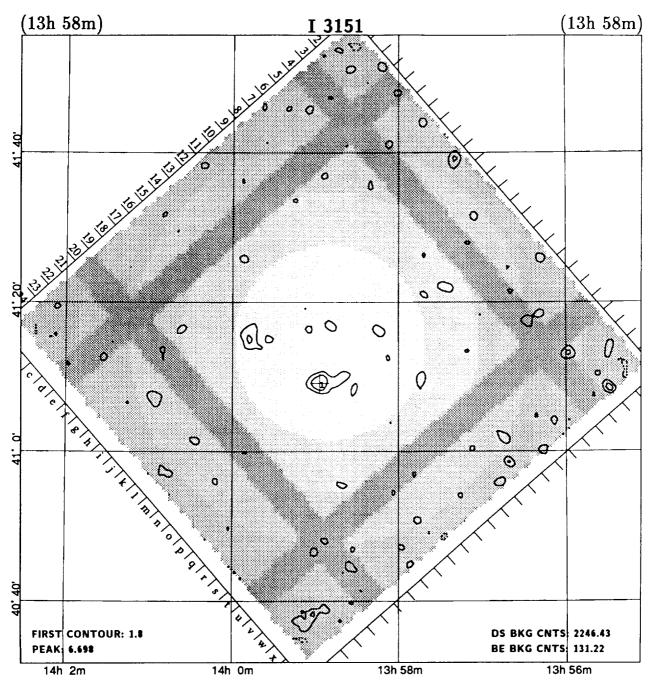


STELLAR SURVEY-EARLY TYPE STARS: HD122451=BETA CEN A

FIELD CENTER: $13^h58^m24.0^s$ -60°06′59″ (B1950) $14^h01^m56.2^s$ -60°21′27″ (J2000) ℓ : 311.55 b: 1.33

DATE: 1979/ 33 - 1979/ 33 LIVETIME: 1946.5¢ ROLL ANGLE: -111.8° NH: 1.6E+21 REF/ID: FIELD FLAGS:

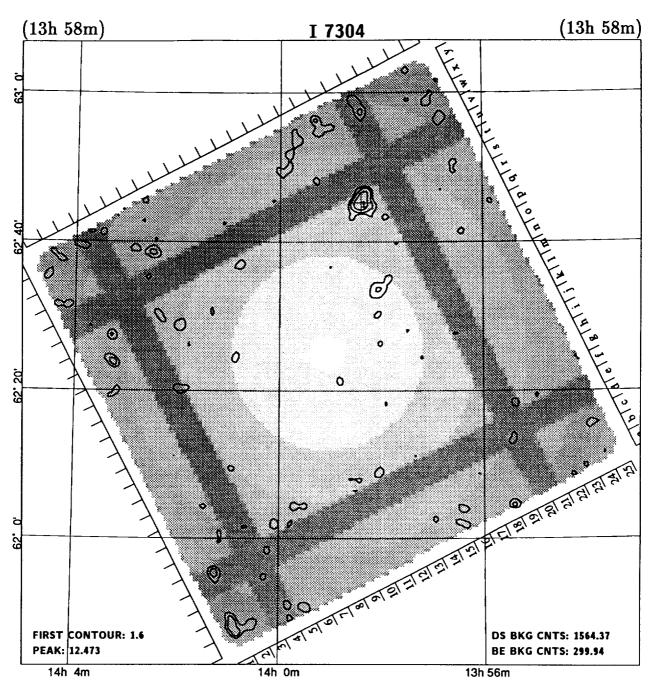
CAT #	FLD #	RA (1950)	DEC (1950)	± "	COUNT RATE	±	NET CTS	BKG CTS	S/N	SIZE COR	RECO	R'	SRC FLG	ID
3163	1	14 00 13.6	-60 08 02	38	0.178	0.012	214.6	4.4	14.5	1.5	0	13.8	Н	S



VV 256: RING GALAXIES SURVEY

FIELD CENTER: $13^h 58^m 49.3^s$ $41^o 13' 43''$ (B1950) $14^h 00^m 53.9^s$ $40^o 59' 15''$ (J2000) ℓ : 81.50 b: 70.10 DATE: 1979/167 - 1979/167 LIVETIME: 1820.4s ROLL ANGLE: 48.9° NH: 1.2E+20 REF/ID: FIELD FLAGS:

CAT	FLD	RA	DEC	±	COUNT	±	NET	BKG	S/N	SIZE	RECO	R'	SRC	ID
#	#	(1950)	(1950)	"	RATE		CTS	CTS		COR			FLG	
3159	1	13 58 56.9	41 09 09	36	0.0217	0.0044	28.1	4.9	4.9	1.2	0	4.9	Н	



1358+62, LOW FREQ. VAR. EXTRAGAL. RADIO SOURCE

FIELD CENTER: 13^h58^m58.4^s 62°25'07" (B1950) 14^h00^m28.6^s 62°10'39" (J2000)

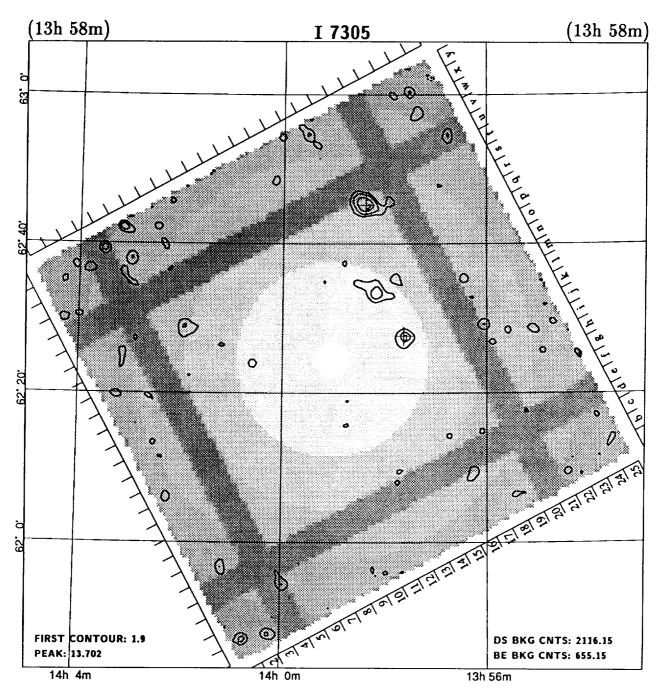
ℓ: 109.59 *b*: 53.13

DATE: 1980/ 1 - 1980/ 1 LIVETIME: 1267.7s

ROLL ANGLE: -117.2°

NH: 2.0E+20 REF/ID: FIELD FLAGS: C

CAT	FLD	RA	DEC	±	COUNT	±	NET	BKG	S/N	SIZE	RECO	R'	SRC	ID
#	#	(1950)	(1950)	"	RATE		CTS	CTS		COR			FLG	
3157	1	13 58 24.1	62 45 14	51	*0.0561	0.0099	35.4	3.6	5.7	1.1	501	20.5	AH	



1358+62, LOW FREQ. VAR. EXTRAGAL. RADIO SOURCE

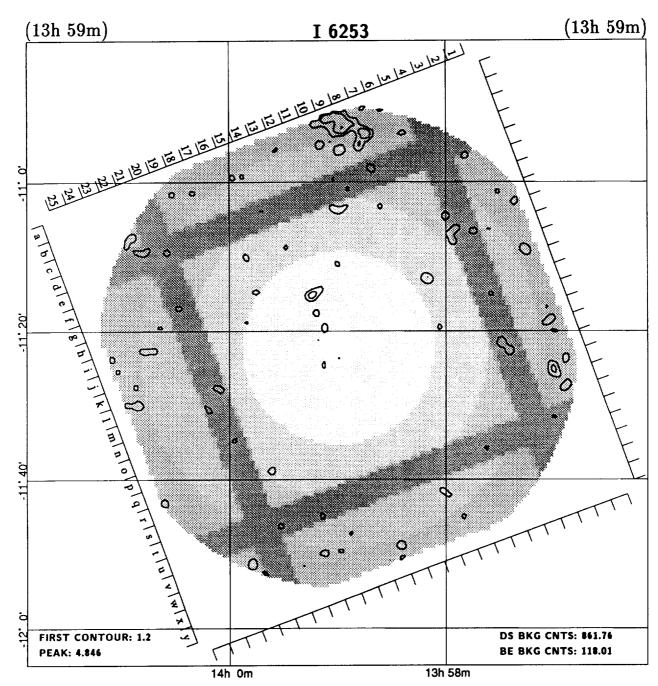
DATE: 1980/356 - 1980/356

FIELD CENTER: 13^h58^m58.4^s 62°25'07" (B1950) 14^h00^m28.6^s 62°10'39" (J2000)

14^h00^m28.6^s 62°10'39" (J2000) LIVETIME: 1714.8₅ ℓ: 109.59 b: 53.13 ROLL ANGLE: -118.2°

NH: 2.0E+20 REF/ID: FIELD FLAGS: C

CAT	FLD	RA	DEC	±	COUNT	±	NET	BKG	S/N	SIZE	RECO	R'	SRC	ū
#	#	(1950)	(1950)		RATE		CTS	CTS		COR			FLG	
3154	1	13 57 37.1	62 27 39	46	0.0155	0.0043	17.7	6.3	3.6	0.8	0	9.5	AH	
3157	2	13 58 22.5	62 45 12	51	*0.0419	0.0076	35.4	5.6	5.5	1.0	704	20.7	AH	



A 1836, COMPLETE SURVEY OF ABELL CLUSTERS

FIELD CENTER: 13h59m00.0s -11°22'59" (B1950)

14h01m40.6 -11°37'27" (J2000)

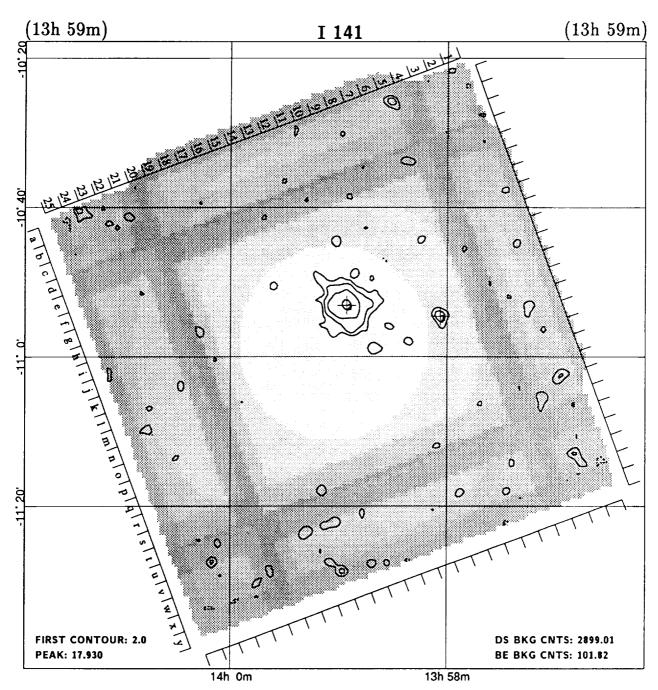
ℓ: 328.96 b: 47.67

DATE: 1980/205 - 1980/205 LIVETIME: 698.3s

ROLL ANGLE: 69.7°

NH: 4.8E+20 REF/ID:

FIELD FLAGS:

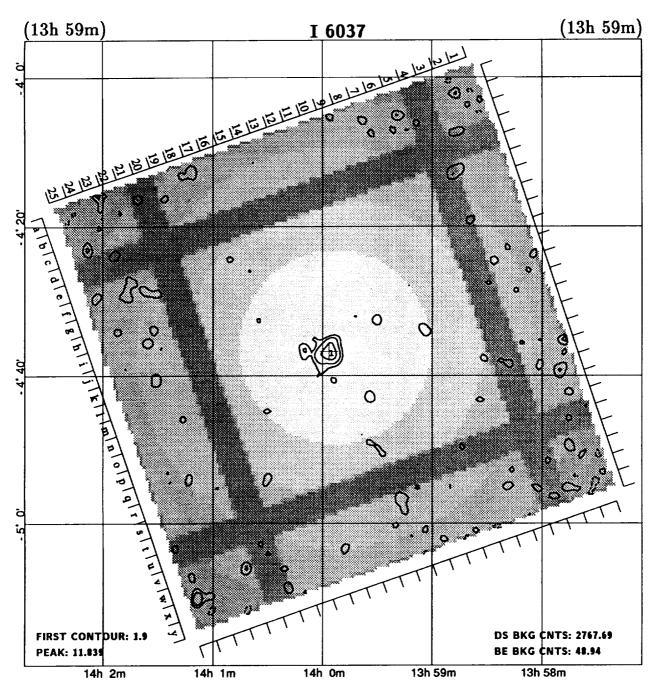


A1837 CLUSTER SURFACE BRIGHTNESS

FIELD CENTER: $13^h 59^m 02.4^s - 10^0 59' 47''$ (B1950) $14^h 01^m 42.7^s - 11^0 14' 14''$ (J2000) ℓ : 329.20 b: 48.02

DATE: 1979/201 - 1979/204 LIVETIME: 2349.2s ROLL ANGLE: 69.7° NH: 4.5E+20 REF/ID: FIELD FLAGS:

CAT	FLD	RA	DEC	±	COUNT	±	NET	BKG	S/N	SIZE	RECO	R′	SRC	ID
#	#	(1950)	(1950)	"	RATE		CTS	CTS		COR			FLG	
3156	1	13 58 03.7	-10 54 32	55	0.0120	0.0034	16.8	6.2	3.5	0.7	0	15.2	Н	
3158	2	13 58 55.6	-10 53 03	38	0.0530	0.0058	89.4	7.6	9.1	2.7	0	7.0	н	}



A1839, RICH CLUSTERS WITH DOMINANT GALAXIES

FIELD CENTER: 13h59m54.0 -04°36'59" (B1950) 14h02m30.5 -04°51'25" (J2000)

ℓ: 333.83 b: 53.70

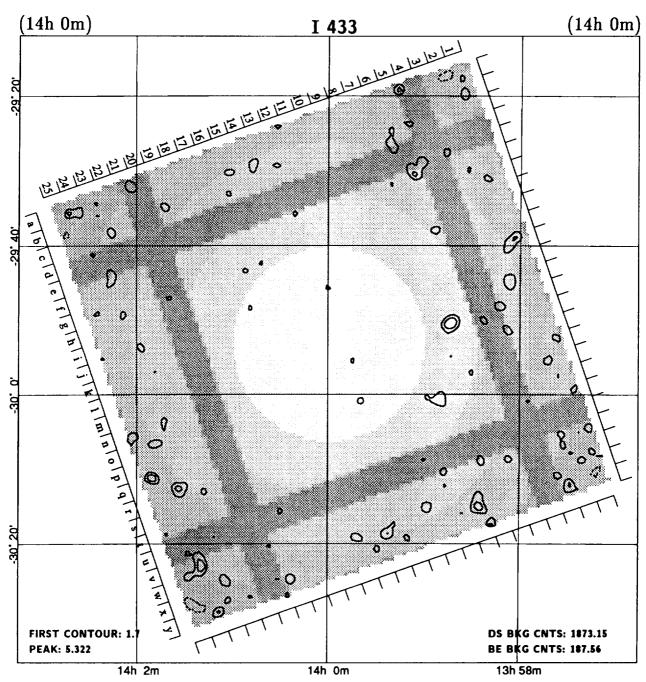
DATE: 1980/216 - 1980/216 LIVETIME: 2242.7s

NH: 2.7E+20 REF/ID:

ROLL ANGLE: 71.1°

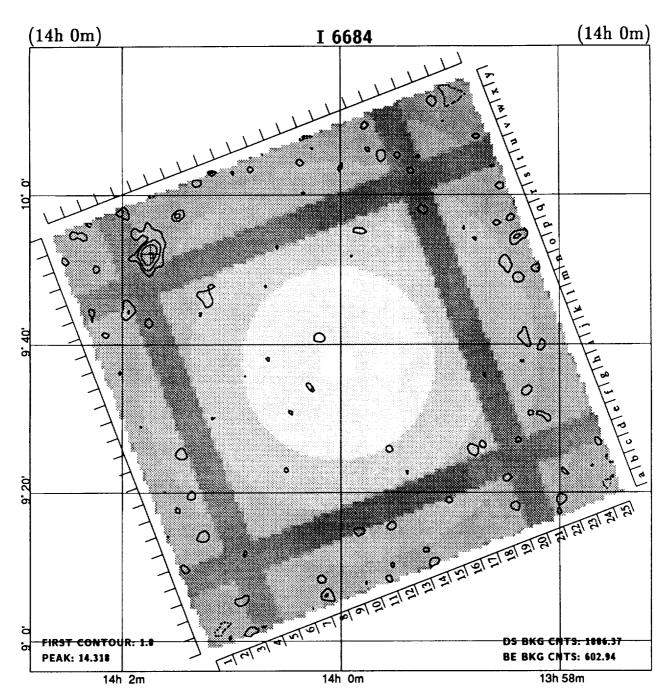
FIELD FLAGS:

Г	CAT	FLD	RA	DEC	±	COUNT	±	NET	BKG	S/N	SIZE	RECO	R'	SRC	ID
	#	#	(1950)	(1950)	"	RATE		CTS	CTS		COR			FLG	
	3162	1	13 59 56.5	-04 36 47	35	0.0310	0.0046	51.6	7.4	6.7	1.4	0	0.8	Н	



TOLOLO 41 ABNORMAL GALAXIES SURVEY

FIELD CENTER: $14^h00^m00.0^s$ -29°53′59" (B1950) $14^h02^m53.2^s$ -30°08′24" (J2000) ℓ : 320.81 b: 30.24 DATE: 1979/206 - 1979/206 LIVETIME: 1517.96 ROLL ANGLE: 70.8° NH: 4.0E+20 REF/ID: FIELD FLAGS:



GROUPS OF GALAXIES: TG 80

FIELD CENTER: 14^h00^m00.0^s 09°37′59" (B1950) 14^h02^m28.1^s 09°23'34" (J2000)

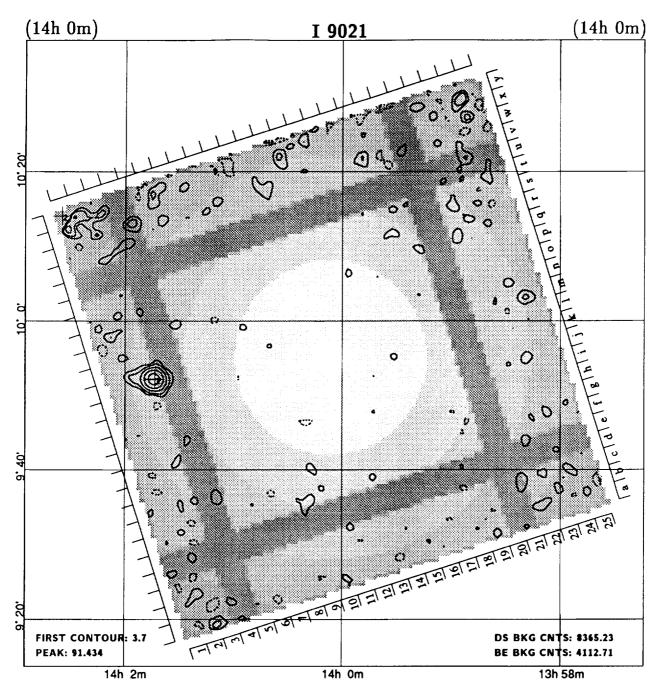
ℓ: 349.67 b: 65.59

DATE: 1980/ 17 - 1980/ 17 LIVETIME: 1528.6s

ROLL ANGLE: -110.9°

NH: 2.0E+20 REF/ID: FIELD FLAGS:

	CAT	FLD	RA	DEC	±	COUNT	±	NET	BKG	S/N	SIZE	RECO	R'	SRC	ID
	#	#	(1950)	(1950)	"	RATE		CTS	CTS		COR			FLG	
7	3174	1	14 01 44.7	09 52 08	51	*0.051	0.010	27.9	3.1	5.0	1.4	1002	29.5	AH	AGN

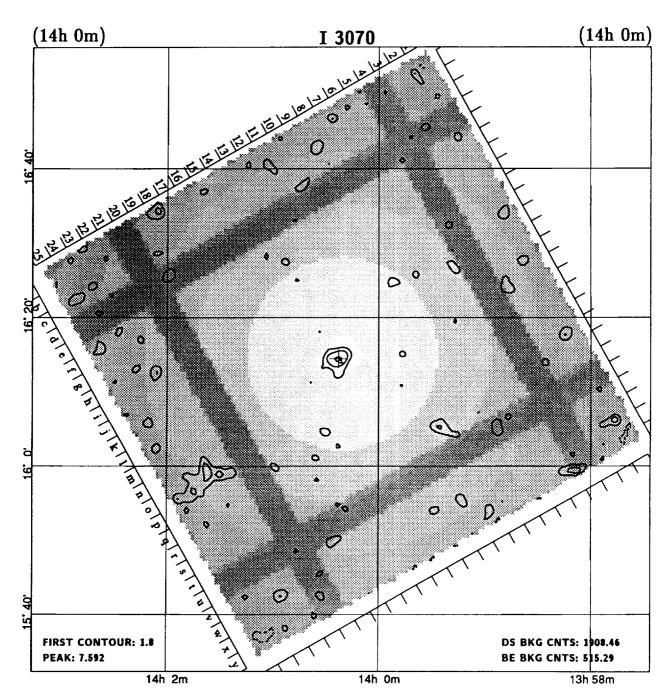


CORONAE OF METAL DEFICIENT STARS: HR 5270

FIELD CENTER: $14^h00^m04.5^s$ $09^\circ55'38''$ (B1950) $14^h02^m32.4^s$ $09^\circ41'13''$ (J2000) ℓ : 350.17 b: 65.80

DATE: 1981/ 25 - 1981/ 25 LIVETIME: 6778.6s ROLL ANGLE: -107.6° NH: 2.0E+20 REF/ID: FIELD FLAGS: L

Γ	CAT	FLD	RA	DEC	±	COUNT	±	NET	BKG	S/N	SIZE	RECO	R'	SRC	ID
	#	#	(1950)	(1950)	"	RATE		стѕ	CTS		COR			FLG	
Γ	3174	1L	14 01 43.6	09 52 13	47	*0.0789	0.0081	237.5	21.7	9.6	1.2	804	24.7	Α	AGN
L	3183	2L	14 02 34.8	10 14 08	48	*0.073	0.016	100.8	54.0	4.7	0.0	1005	41.5	EI	

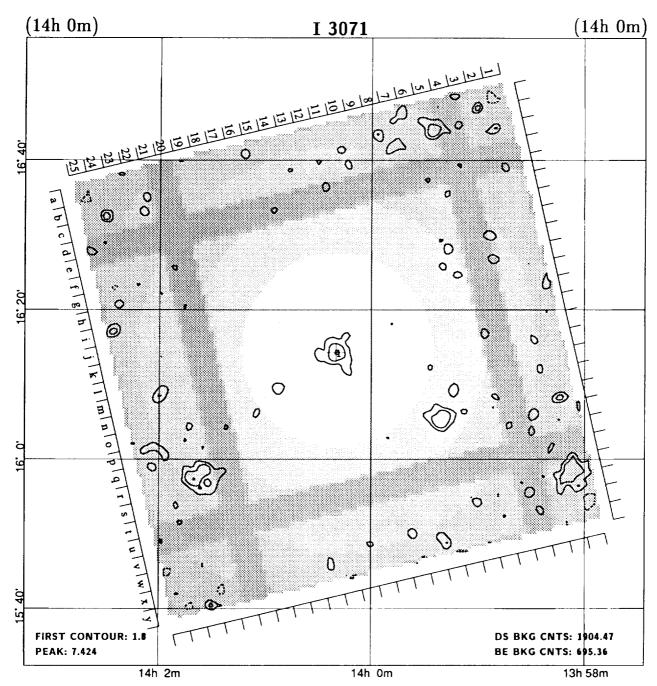


1400+162: BL LAC'S IN CLUSTERS OF GALAXIES

FIELD CENTER: $14^h00^m21.0^s$ $16^o14'20''$ (B1950) $14^h02^m45.0^s$ $15^o59'56''$ (J2000) ℓ : 2.63 b: 70.07

DATE: 1979/180 - 1979/180 LIVETIME: 1546.5₆ ROLL ANGLE: 60.6° NH: 1.6E+20 REF/ID: ! FIELD FLAGS: C

CAT	FLD	RA	DEC	±	COUNT	±	NET	BKG	S/N	SIZE	RECO	R'	SRC	ID
#	#	(1950)	(1950)	"	RATE		CTS	CTS		COR			FLG	
3165	1	14 00 22.7	16 14 30	36	0.0255	0.0052	29.4	6.6	4.9	1.1	0	0.4	AH	BL

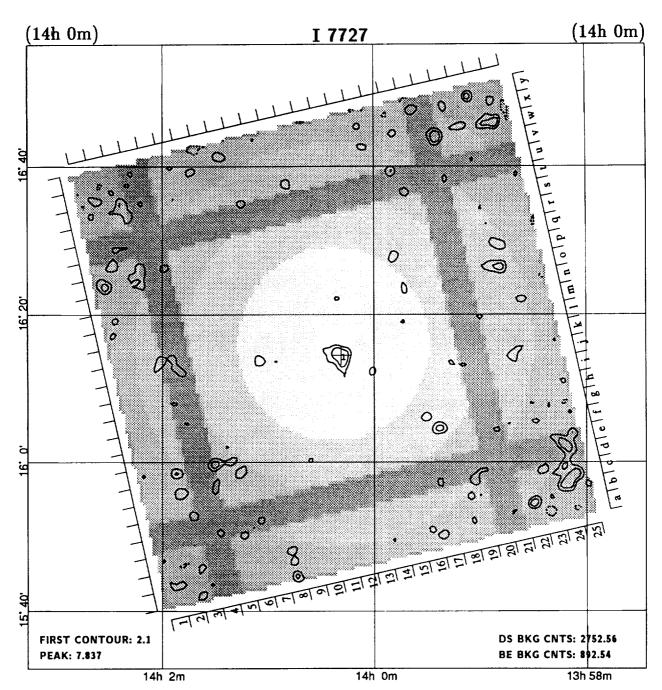


1400+162: BL LAC'S IN CLUSTERS OF GALAXIES

FIELD CENTER: $14^h00^m21.0^s$ $16^o14'20''$ (B1950) $14^h02^m45.0^s$ $15^o59'56''$ (J2000) ℓ : 2.63 b: 70.07

DATE: 1979/210 - 1979/210 LIVETIME: 1543.2s ROLL ANGLE: 76.9° NH: 1.6E+20 REF/ID: ! FIELD FLAGS: CL

CAT	FLD	RA	DEC	±	COUNT	±	NET	BKG	S/N	SIZE	RECO	R'	SRC	ID
#	#	(1950)	(1950)	"	RATE		CTS	CTS		COR			FLG	
3165	1L	14 00 19.9	16 14 18	36	0.0258	0.0065	29.7	11.3	3.8	1.4	0	0.3	Α	BL



1400+162,BL LAC OBJECTS W/GROUPS OR CLUSTERS OF GALAXIES

FIELD CENTER: 14^h00^m21.0^s 16°14'20" (B1950) 14^h02^m45.0^s 15°59'56" (J2000)

ℓ: 2.63 b: 70.07

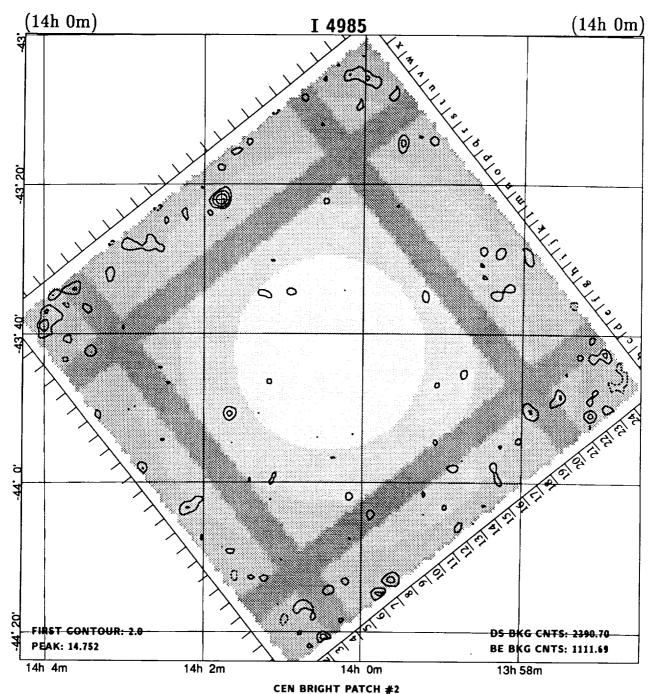
DATE: 1980/ 20 - 1980/ 20 LIVETIME: 2230.5s

ROLL ANGLE: -102.6°

NH: 1.6E+20 REF/ID:

FIELD FLAGS: CL

CAT	FLD	RA	DEC	±	COUNT	±	NET	BKG	S/N	SIZE	RECO	R'	SRC	ID
#	#	(1950)	(1950)	"	RATE		CTS	CTS		COR			FLG	
3165	1L	14 00 18.8	16 14 33	36	0.0206	0.0048	34.0	11.0	4.2	1.0	0	0.6	Α	BL

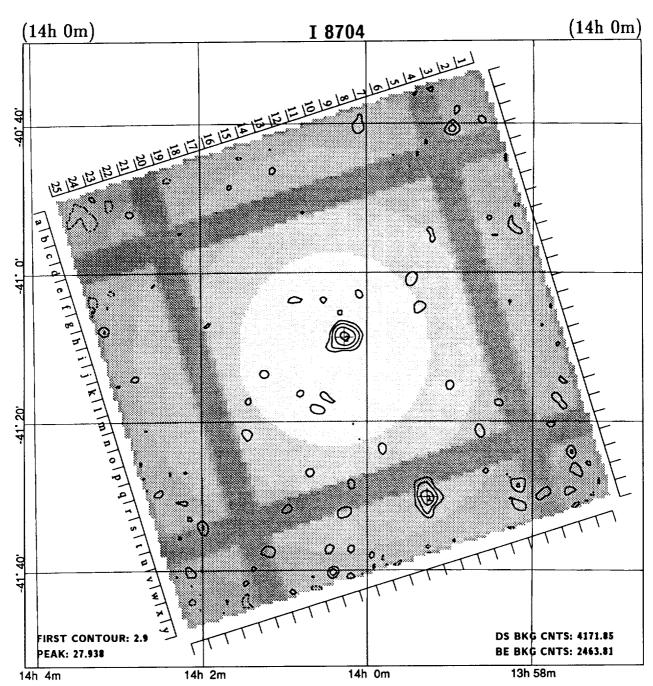


FIELD CENTER: $14^h00^m24.0^s$ -43°41′59″ (B1950) $14^h03^m30.3^s$ -43°56′23″ (J2000) ℓ : 316.40 b: 17.04

DATE: 1980/ 45 - 1980/ 45 LIVETIME: 1937.3₆ ROLL ANGLE: -128.7°

NH: 8.0E+20 REF/ID: FIELD FLAGS: L

CAT	FLD	RA	DEC	±	COUNT	±	NET	BKG	S/N	SIZE	RECO	R'	SRC	ID
#	#	(1950)	(1950)	"	RATE		CTS	CTS		COR			FLG	
3175	1L	14 01 47.3	-43 22 03	51	0.0307	0.0077	25.1	4.9	3.8	0.8	0	24.9		



TARGET 3: REGIONS OF INTENSE STAR FORMATIONA

FIELD CENTER: 14h00m24.0s -41°10'58" (B1950) 14h03m27.5' -41°25'22" (J2000)

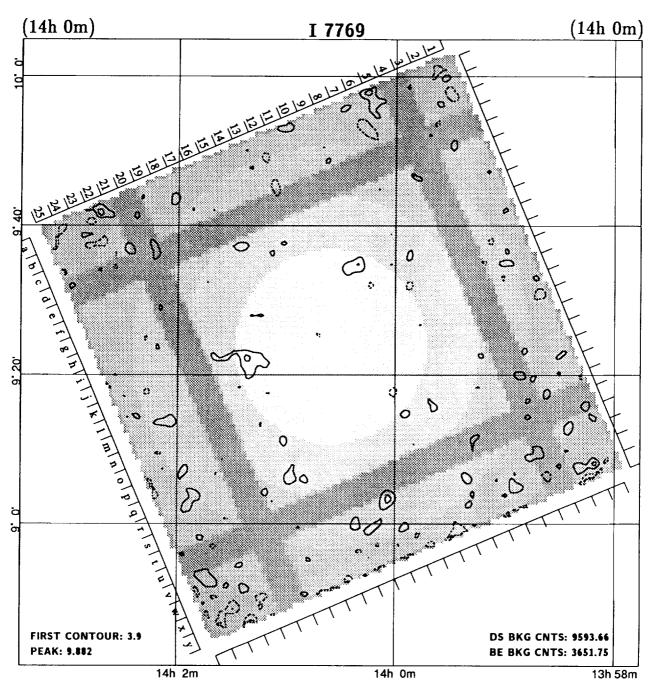
l: 317.16 b: 19.45

DATE: 1980/205 - 1980/205 LIVETIME: 3380.6s

ROLL ANGLE: 72.9°

NH: 5.7E+20 REF/ID: FIELD FLAGS: L

RECO R' \$RC ID COUNT BKG S/N SIZE CAT FLD RA DEC \pm \pm NET RATE CTS CTS COR FLG (1950)(1950) # 23.0 1.2 600 0.0250 0.0059 38.4 16.6 4.1 3161 1L 13 59 16.5 -41 30 10 50 105.4 G 14 00 16.4 -41 08 37 0.0423 0.0055 7.6 1.2 0 2.8 2L 32.6 3164



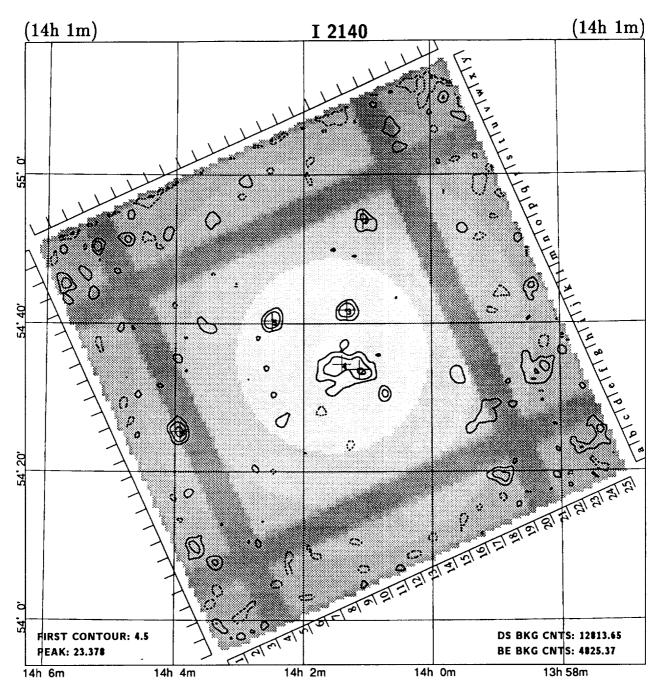
Z74-23, SPIRAL-RICH CLUSTERS OF GALAXIES

FIELD CENTER: 14h00m36.0s 09°22'59" (B1950) 14^h03^m04.2^s 09°08'36" (J2000)

ℓ: 349.54 b: 65.31

DATE: 1980/194 - 1980/194 LIVETIME: 7774.0s ROLL ANGLE: 67.0°

NH: 2.0E+20 REF/ID: FIELD FLAGS: L

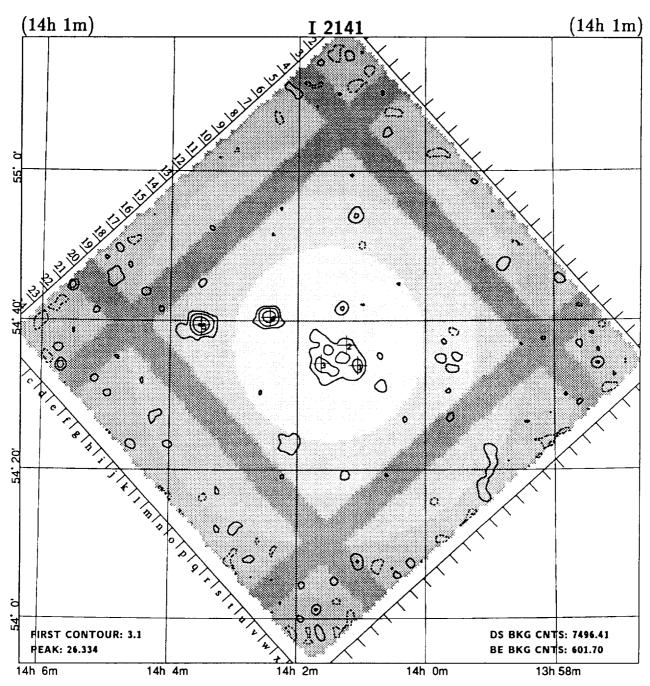


X-RAY SURVEY OF NORMAL GALAXIES: NGC5457=M101

FIELD CENTER: $14^h01^m30.0^s$ $54^o35'59''$ (B1950) $14^h03^m16.1^s$ $54^o21'37''$ (J2000) ℓ : 102.04 b: 59.76

DATE: 1979/ 6 - 1979/ 6 LIVETIME: 10383.4s ROLL ANGLE: -114.2° NH: 1.2E+20 REF/ID: ! FIELD FLAGS: C

CAT	FLD	RA	DEC	±	COUNT	±	NET	BKG	S/N	SIZE	RECO	R'	SRC	ID
#	#	(1950)	(1950)	"	RATE		CTS	CTS		COR			FLG	
3166	1	14 01 04.1	54 53 59	55	0.0052	0.0014	28.7	34.3	3.6	1.0	200	18.6	Н	S
3168	2	14 01 07.8	54 33 52	35	0.0114	0.0015	85.5	49.5	7.4	2.7	0	4.0	AH	
3170	3	14 01 19.6	54 41 51	41	0.0080	0.0014	58.6	40.4	5.9	0.9	0	6.2		
3171	4	14 01 24.2	54 34 33	35	0.0082	0.0014	62.7	51.3	5.9	4.1	0	2.3	н	†
3181	5	14 02 29.7	54 40 22	41	0.0104	0.0015	72.3	41.7	6.8	0.9	0	9.7	AH	
3188	6	14 03 55.2	54 25 25	51	*0.0109	0.0018	52.1	24.9	5.9	0.9	907	23.7	Н	

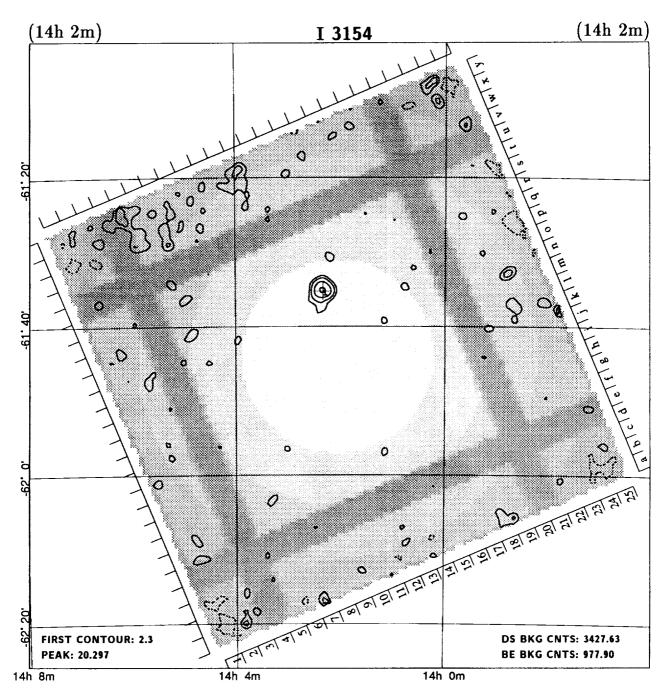


X-RAY SURVEY OF NORMAL GALAXIES: NGC5457=M101

FIELD CENTER: $14^h01^m30.0^s$ $54^o35'59''$ (B1950) $14^h03^m16.1^s$ $54^o21'37''$ (J2000) ℓ : 102.04 b: 59.76

DATE: 1979/167 - 1979/167 LIVETIME: 6074.6s ROLL ANGLE: 47.9° NH: 1.2E+20 REF/ID: ! FIELD FLAGS: C

CAT	FLD	RA	DEC	±	COUNT	±	NET	BKG	S/N	SIZE	RECO	R'	SRC	ID
#	#	(1950)	(1950)	"	RATE		CTS	CTS		COR			FLG	
3168	1	14 01 03.5	54 34 00	36	0.0065	0.0016	28.5	20.5	4.1	4.4	0	4.4	AH	
3169	2	14 01 14.0	54 36 47	41	0.0060	0.0015	26.7	18.3	4.0	6.4	0	2.5		
3173	3	14 01 37.8	54 34 15	36	0.0091	0.0017	40.7	18.3	5.3	3.7	0	1.9	Н	G
3181	4	14 02 26.1	54 40 29	41	0.0174	0.0023	71.7	19.3	7.5	1.0	0	9.6	AH	
3186	5	14 03 30.9	54 39 24	50	0.0225	0.0028	75.0	14.0	8.0	1.2	0	17.8	Н	Q



SNR NEAR COS-B GAMMA RAY SOURCES

FIELD CENTER: 14h02m00.0s -61043'59" (B1950) 14^h05^m38.0^s -61°58'19" (J2000)

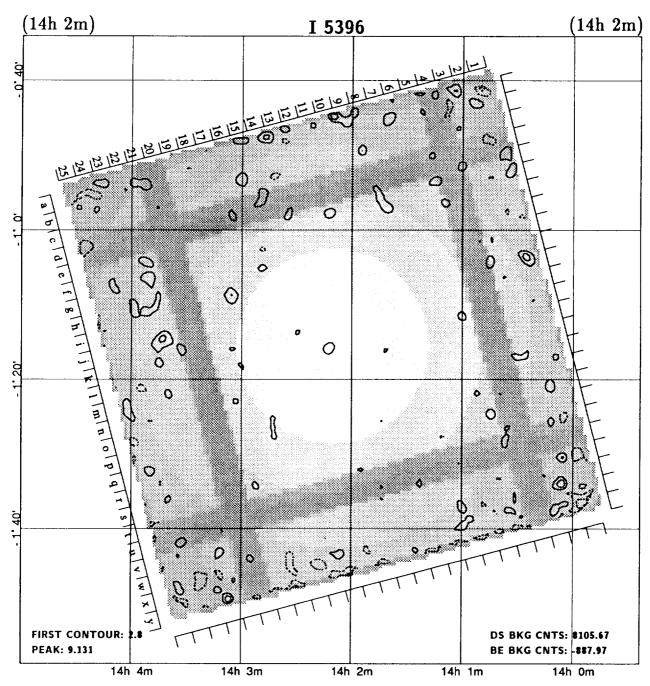
DATE: 1979/ 35 - 1979/ 35 LIVETIME: 2777.5s

NH: 1.4E+21 REF/ID: FIELD FLAGS:

ℓ: 311.53 b: -0.34

ROLL ANGLE: -112.8°

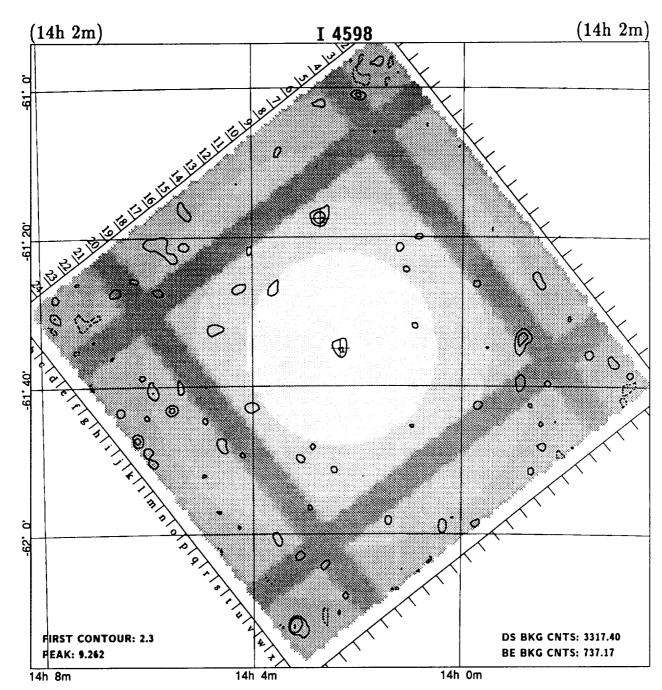
ſ	CAT	FLD	RA	DEC	±	COUNT	±	NET	BKG	S/N	SIZE	RECO	R'	SRC	ID
	#	#	(1950)	(1950)	"	RATE		CTS	CTS		COR			FLG	
	3178	1	14 02 20.0	-61 35 13	38	0.0386	0.0049	72.5	11.5	7.9	1.1	0	9.2	AH	



PKS 1402-12,QSO'S WITH RADIO FLAT SPECTRUM (C.S.)

FIELD CENTER: $14^h02^m11.7^s$ -01°16′05″ (B1950) DATE: 1980/2 $14^h04^m46.3^s$ -01°30′26″ (J2000) LIVETIME: 65 ℓ : 337.51 b: 56.36 ROLL ANGLE:

DATE: 1980/217 - 1980/217 NH: 3.9E+20
LIVETIME: 6568.2s REF/ID: !
ROLL ANGLE: 75.2° FIELD FLAGS:



FOLLOWUP TO SEQUENCE 3154: POINT SOURCE PERIODICITY STUDY

FIELD CENTER: 14^h02^m19.2^s -61°35'59" (B1950) 14^h05^m57.0^s -61°50'18" (J2000)

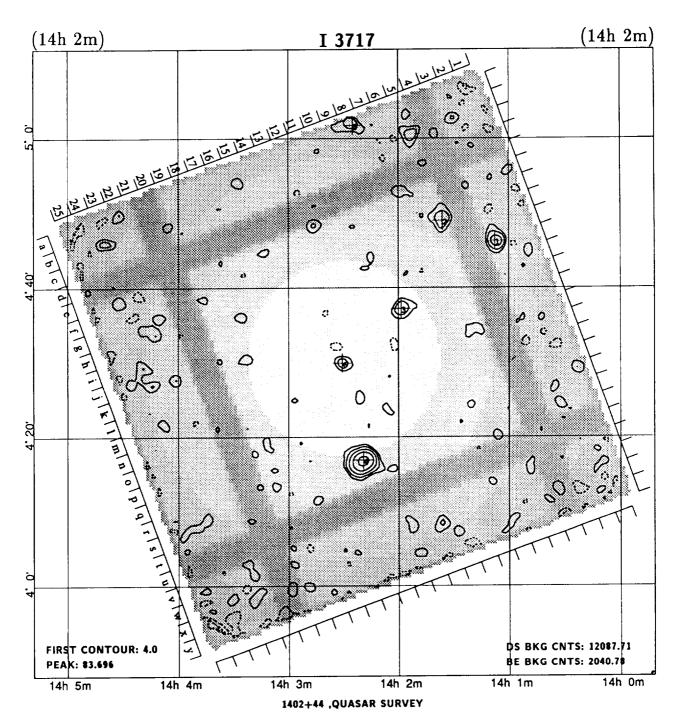
ℓ: 311.60 b: -0.23

LIVETIME: 2688.2s ROLL ANGLE: 51.8°

DATE: 1979/242 - 1979/242

NH: 1.4E+21 REF/ID: FIELD FLAGS:

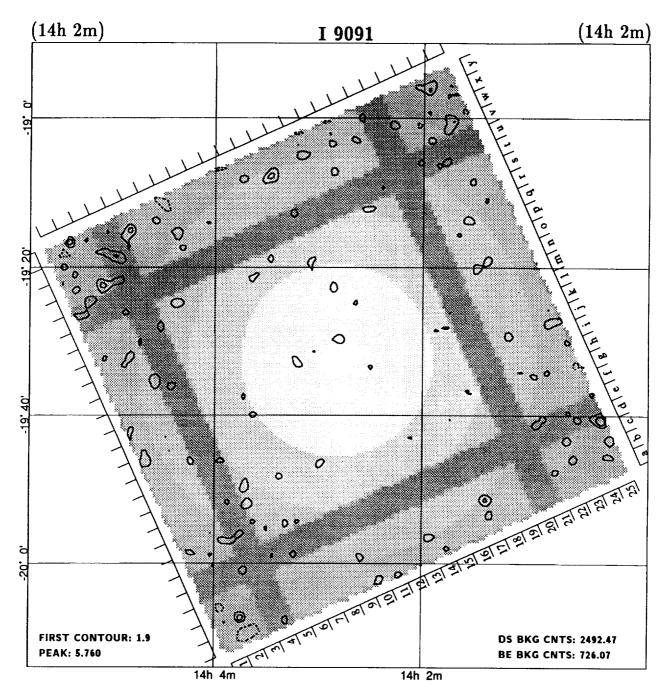
CAT	FLD	RA	DEC	±	COUNT	±	NET	BKG	S/N	SIZE	RECO	R'	SRC	ID
#	#	(1950)	(1950)	"	RATE		CTS	CTS		COR			FLG	
3178	1	14 02 19.6	-61 34 57	41	0.0111	0.0029	22.3	10.7	3.9	0.6	0	1.2	Α	
3184	2	14 02 42.2	-61 17 32	53	0.0128	0.0035	18.9	8.1	3.6	0.7	0	18.5	Н	



FIELD CENTER: $14^h02^m30.0^s$ $04^o29'52''$ (B1950) $14^h05^m01.1^s$ $04^o15'33''$ (J2000) ℓ : 343.67 b: 61.17

DATE: 1979/203 - 1979/204 LIVETIME: 9795.06 ROLL ANGLE: 70.0° NH: 2.2E+20 REF/ID: FIELD FLAGS:

CAT	FLD	RA	DEC	±	COUNT		NET	BKG	S/N	SIZE	RECO	R'	SRC	ID
#	#	(1950)	(1950)	"	RATE		CTS	CTS		COR			FLG	
3167	1	14 01 07.5	04 46 15	50	*0.0112	0.0021	45.8	25.2	5.4	0.9	602	26.2	Н	
3172	2	14 01 36.1	04 48 57	52	*0.0074	0.0016	33.7	21.3	4.5	0.9	502	23.3	н	
3176	3	14 01 58.6	04 37 12	41	0.0078	0.0014	50.9	29.1	5.7	0.8	0	10.9	н	
3177	4	14 02 19.2	04 16 56	38	0.0481	0.0030	287.5	29.5	16.1	1.2	0	13.2	н	BL
3180	5	14 02 24.9	05 01 45	98	*0.0069	0.0019	21.0	14.0	3.6	1.0	601	31.9	н	
3182	6	14 02 30.7	04 29 55	35	0.0056	0.0012	40.9	36.1	4.7	0.6	0	0.2		Q



CLUSTERS OF GALAXIES AT MODERATE REDSHIFTS(0.1<Z<0.3): 26

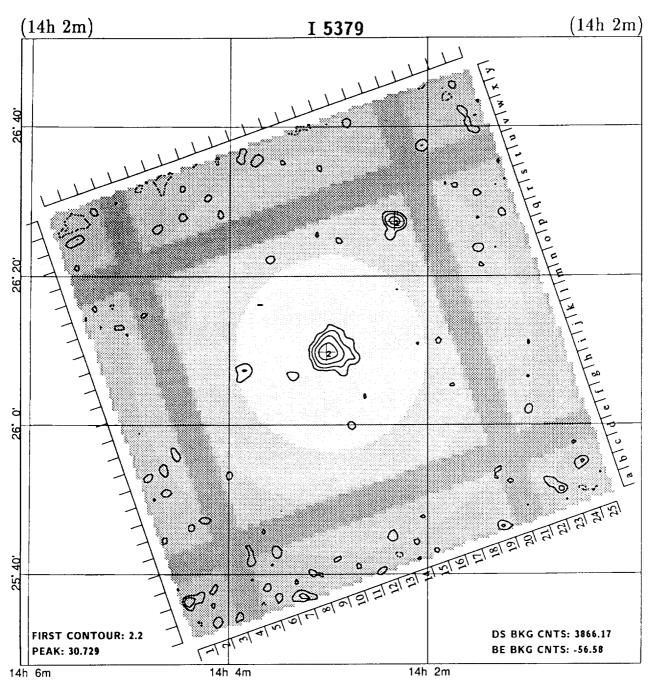
FIELD CENTER: 14h02m48.0s -19°31'59" (B1950) 14^h05^m34.0^s -19^o46'18" (J2000)

ℓ: 325.84 b: 39.78

DATE: 1981/ 44 - 1981/ 44 LIVETIME: 2019.8s

REF/ID: ROLL ANGLE: -114.5° FIELD FLAGS:

NH: 6.5E+20

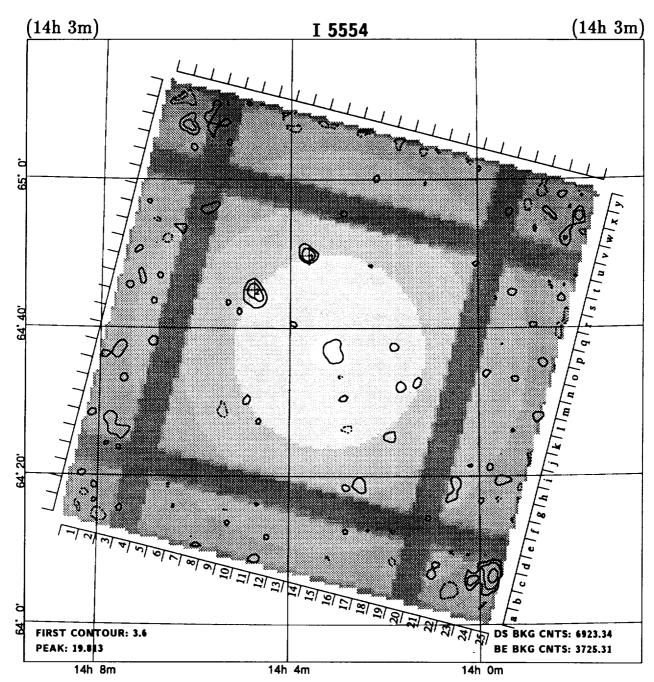


SURVEY OF BRIGHT QUASARS (PG)

FIELD CENTER: $14^h02^m58.8^s$ $26^009'58''$ (B1950) $14^h05^m15.7^s$ $25^055'40''$ (J2000) ℓ : 32.96 b: 73.46

DATE: 1981/ 17 - 1981/ 17 LIVETIME: 3132.9s ROLL ANGLE: -109.2° NH: 1.5E+20 REF/ID: FIELD FLAGS:

CAT	FLD	RA	DEC	±	COUNT	±	NET	BKG	S/N	SIZE	RECO	R'	SRC	ID ,
#	#	(1950)	(1950)	"	RATE		CTS	CTS		COR			FLG	
3179	1	14 02 20.0	26 27 17	51	0.0173	0.0037	27.9	7.1	4.7	0.9	0	19.4	Н	
3185	2	14 03 01.2	26 09 47	31	0.0572	0.0051	133.6	8.4	11.2	1.8	0	0.7	Н	Q



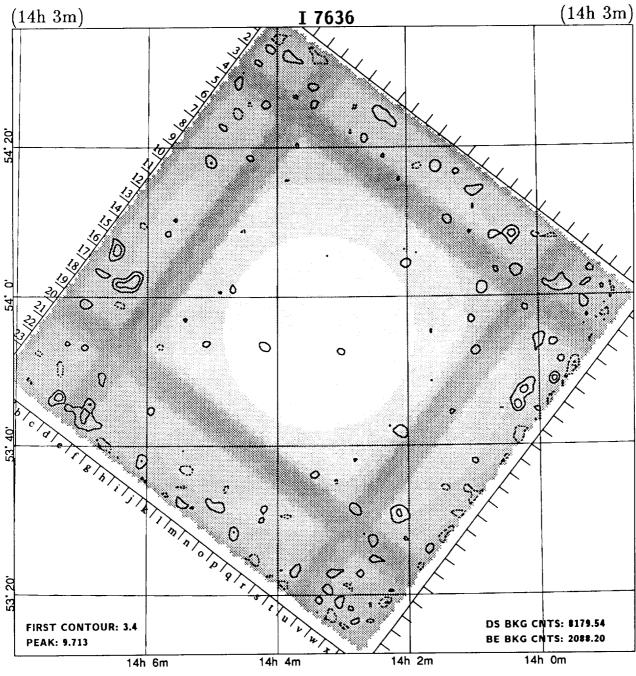
Alpha DRA

FIELD CENTER: $14^h03^m03.0^s$ $64^o36'59''$ (B1950) $14^h04^m24.7^s$ $64^o22'40''$ (J2000) ℓ : 110.52 b: 50.96

DATE: 1981/ 40 - 1981/ 40 LIVETIME: 5610.2s ROLL ANGLE: -75.9°

NH: 1.9E+20 REF/ID: FIELD FLAGS: L

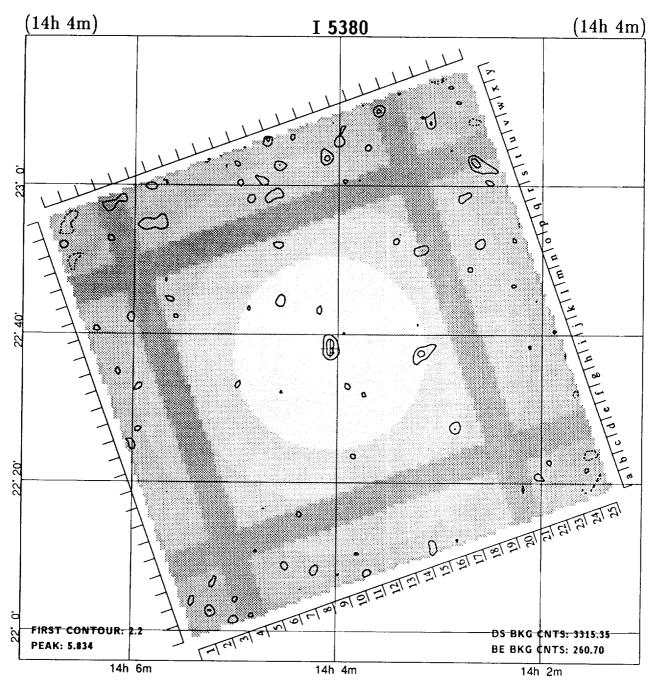
CAT	FLD	RA	DEC	±	COUNT	±	NET	BKG	S/N	SIZE	RECO	R'	SRC	ID
#	#	(1950)	(1950)	"	RATE		CTS	CTS		COR			FLG	
3187	1L	14 03 36.3	64 49 44	41	0.0113	0.0027	39.2	21.8	4.1	0.7	0	13.2		
3191	2L	14 04 45.9	64 45 12	42	0.0105	0.0028	36.7	29.3	3.6	1.1	0	13.6		



NGC 5474,DWARF GAL OF M101 GROUP

FIELD CENTER: $14^h03^m18.0^s$ $53^\circ54'05''$ (B1950) $14^h05^m04.7^s$ $53^\circ39'47''$ (J2000) ℓ : 100.82 b: 60.19

DATE: 1980/155 - 1980/155 LIVETIME: 6628.2s ROLL ANGLE: 37.6° NH: 1.2E+20 REF/ID: FIELD FLAGS:

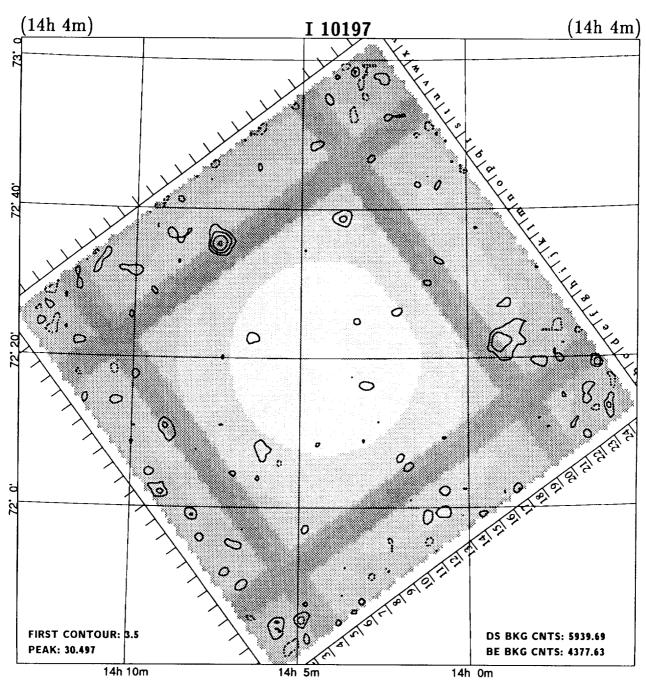


SURVEY OF BRIGHT QUASARS (PG)

FIELD CENTER: $14^h04^m02.8^s$ $22^o37'58''$ (B1950) $14^h06^m22.1^s$ $22^o23'42''$ (J2000) ℓ : 21.47 b: 72.36

DATE: 1981/ 17 - 1981/ 17 LIVETIME: 2686.5s ROLL ANGLE: -109.7° NH: 2.0E+20 REF/ID: FIELD FLAGS:

CAT	FLD	RA	DEC	±	COUNT	±	NET	BKG	S/N	SIZE	RECO	R'	SRC	ID
#	#	(1950)	(1950)	"	RATE		CTS	CTS		COR			FLG	
3189	1	14 04 04.6	22 38 05	37	0.0111	0.0028	22.3	8.7	4.0	0.8	0	0.4	Н	Q



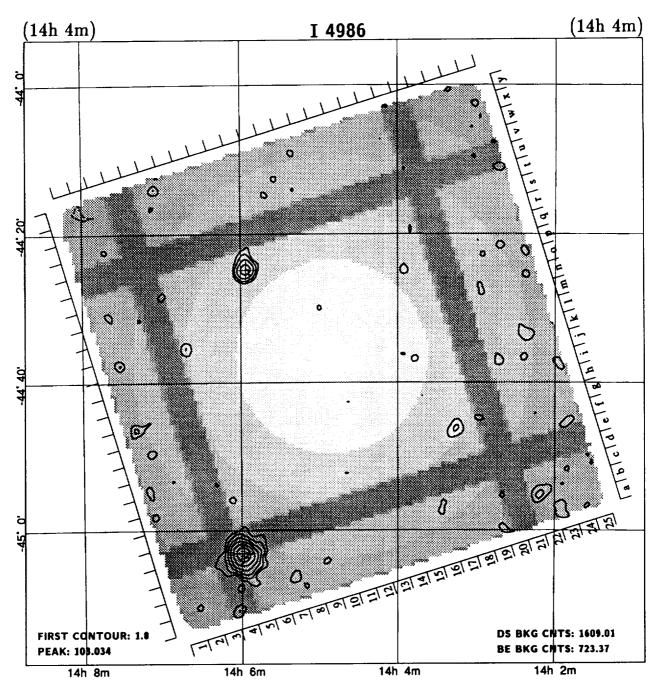
UMI MEDIUM SENSITIVITY SURVEY, TARGET 4

FIELD CENTER: 14h04m12.0 72°20'59" (B1950) 14h04m57.9s 72°06'41" (J2000)

ℓ: 115.21 b: 43.90

DATE: 1980/356 - 1980/356 LIVETIME: 4813.16 ROLL ANGLE: -126.7°

NH: 1.9E+20 REF/ID: FIELD FLAGS: LS

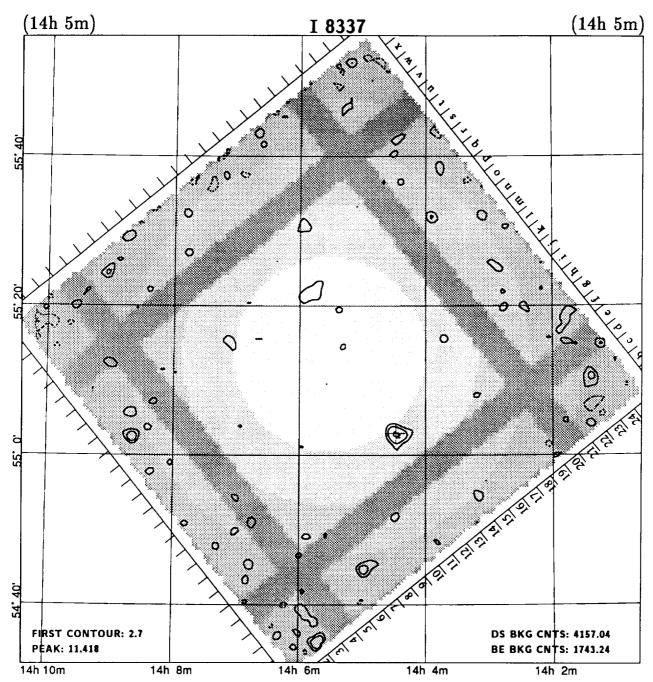


CEN BRIGHT PATCH #3

FIELD CENTER: 14^h04^m48.0^s -44°35'59" (B1950) 14^h07^m56.4^s -44°50'13" (J2000) £: 316.91 b: 15.95

DATE: 1980/ 23 - 1980/ 23 LIVETIME: 1303.86 ROLL ANGLE: -106.9° NH: 9.5E+20 REF/ID: FIELD FLAGS:

CAT	FLD	RA	DEC	±	COUNT	±	NET	BKG	S/N	SIZE	RECO	R'	SRC	ID
#	#	(1950)	(1950)	"	RATE		CTS	CTS		COR			FLG	
3193	1	14 05 56.0	-44 24 52	50	0.076	0.011	55.9	5.1	7.2	1.0	0	16.6	AH	
3194	2	14 05 58.3	-45 03 04	47	*0.405	0.029	192.4	2.6	13.8	1.3	1308	29.5	AH	S



NGC 5485, STRUCTURE OF PROLATE ELLIPTICAL GALAXIES

FIELD CENTER: 14^h05^m30.0^s 55°14'11" (B1950) 14^h07^m13.5^s 54°59'58" (J2000)

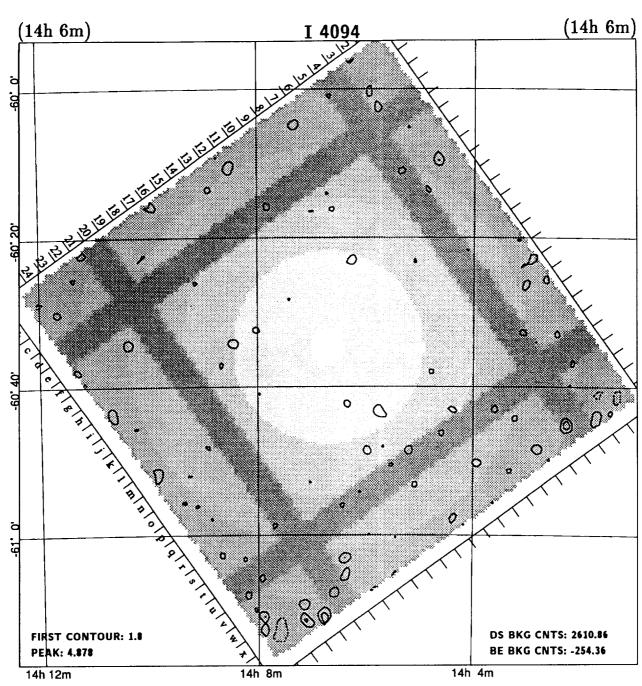
l: 101.79 b: 58.91

DATE: 1980/356 - 1980/356 LIVETIME: 3368.66

ROLL ANGLE: -128.7°

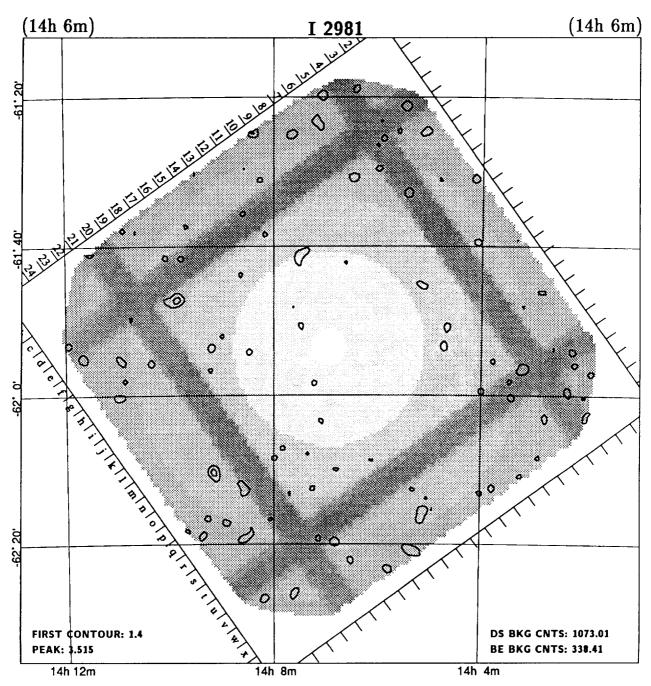
NH: 1.3E+20 REF/ID: FIELD FLAGS:

CAT	FLD	RA	DEC	±	COUNT	±	NET	BKG	S/N	SIZE	RECO	R'	SRC	ID
#	#	(1950)	(1950)	"	RATE		стѕ	CTS		COR			FLG	
3190	1	14 04 28.2	55 02 55	41	0.0194	0.0035	39.8	11.2	5.6	0.9	0	14.3	Н	



H1403-60 POSITION

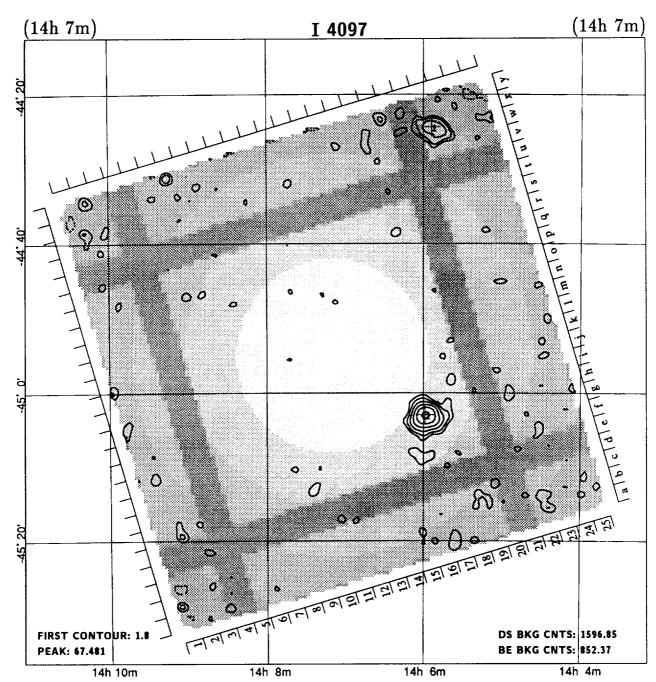
FIELD CENTER: $14^h 06^m 41.0^s -60^\circ 35' 35''$ (B1950) $14^h 10^m 18.1^s -60^\circ 49' 44''$ (J2000) ℓ : 312.40 b: 0.59 DATE: 1979/240 - 1979/240 LIVETIME: 2115.7s ROLL ANGLE: 54.6° NH: 1.4E+21 REF/ID: FIELD FLAGS:



MX AND ARIEL SOURCES: MX1406-61

FIELD CENTER: $14^h06^m55.0^s$ -61°53′59″ (B1950) $14^h10^m35.7^s$ -62°08′08″ (J2000) ℓ : 312.04 b: -0.67 DATE: 1979/240 - 1979/240 LIVETIME: 869.5s ROLL ANGLE: 54.5°

NH: 1.3E+21 REF/ID: FIELD FLAGS:

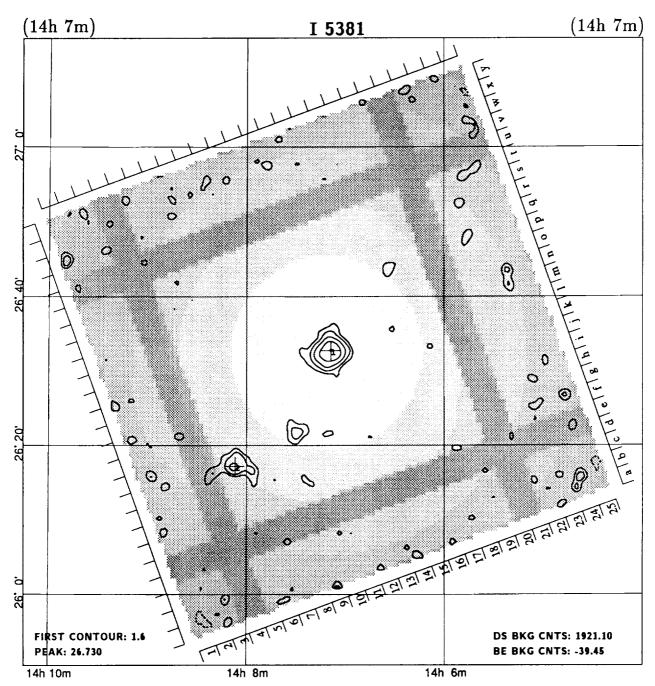


H1409-45 POSITION

FIELD CENTER: $14^{h}07^{m}07.0^{s}$ $-44^{o}54'29''$ (B1950) $14^{h}10^{m}16.4^{s}$ $-45^{o}08'38''$ (J2000) ℓ : 317.22 b: 15.53

DATE: 1980/ 23 - 1980/ 23 LIVETIME: 1294.06 ROLL ANGLE: -106.4° NH: 1.0E+21 REF/ID: FIELD FLAGS:

CAT	FLD	RA	DEC	±	COUNT	±	NET	BKG	S/N	SIZE	RECO	R'	SRC	ID
#	#	(1950)	(1950)	"	RATE		стѕ	CTS		COR			FLG	
3193	1	14 05 53.7	-44 24 22	55	*0.044	0.012	16.6	3.4	3.7	1.9	805	32.3	AH	
3194	2	14 05 58.7	-45 02 57	38	0.281	0.019	216.2	4.8	14.5	1.3	0	14.7	AH	S



SURVEY OF BRIGHT QUASARS (PG)

FIELD CENTER: 14^h07^m07.9^s 26°32'32" (B1950) 14^h09^m24.0^s 26°18'23" (J2000)

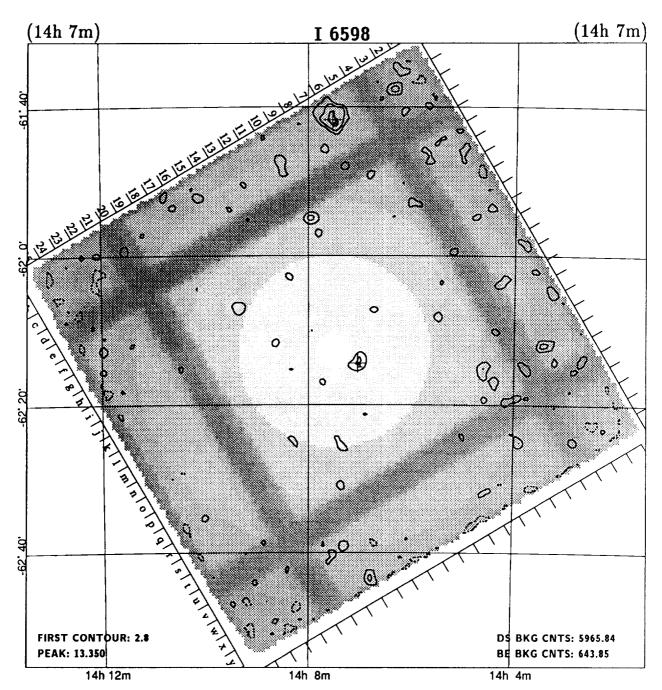
l: 34.67 *b*: 72.59

DATE: 1981/ 17 - 1981/ 17 LIVETIME: 1556.7s

LIVETIME: 1556.7s REF/ID: ROLL ANGLE: -109.8° FIELD FLAGS:

NH: 1.5E+20

RA DEC COUNT NET BKG S/N SIZE RECO SRC ID CAT FLD ± RATE COR FLG (1950)(1950)CTS CTS 3196 1 14 07 08.7 26 32 39 31 0.1072 0.0098 124.4 4.6 10.9 1.7 0 0.6 Н Q 14 08 06.9 26 17 12 52 0.0234 0.0058 18.9 4.0 1.7 0 20.2 Н 3200 2 3.1

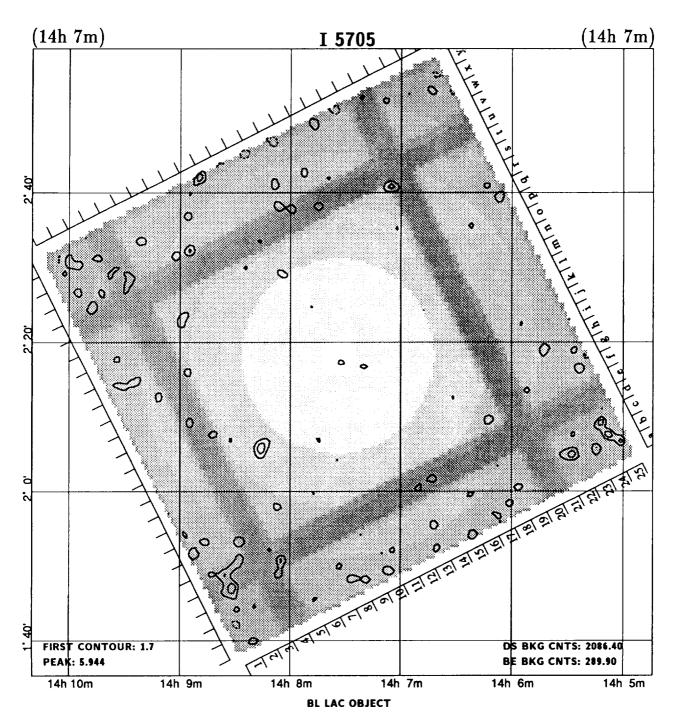


1407-6213, GALACTIC PLANE SURVEY

FIELD CENTER: $14^h07^m26.8^s$ $-62^o13'29''$ (B1950) $14^h11^m08.7^s$ $-62^o27'36''$ (J2000) ℓ : 312.00 δ : -1.00

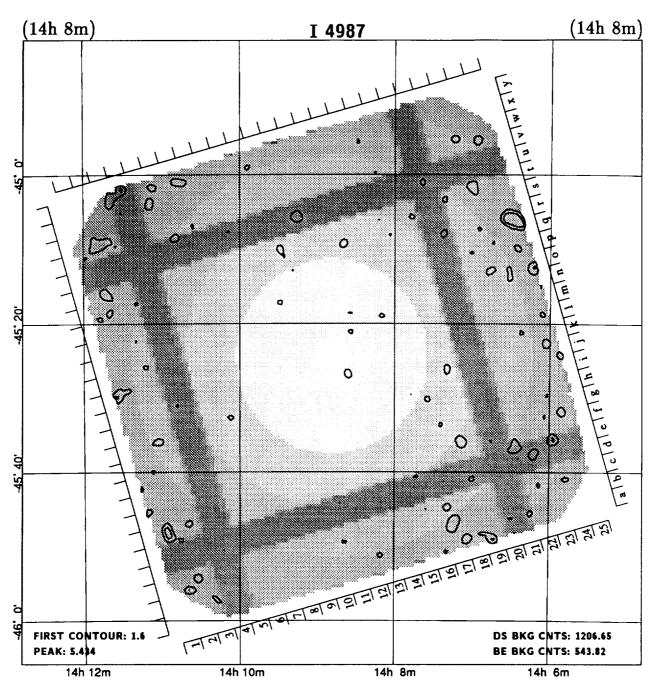
DATE: 1980/233 - 1980/233 LIVETIME: 4834.3s ROLL ANGLE: 59.5° NH: 1.2E+21 REF/ID: FIELD FLAGS:

CAT	FLD	RA	DEC	±	COUNT	±	NET	BKG	S/N	SIZE	RECO	R'	SRC	ID
#	#	(1950)	(1950)	"	RATE		CTS	CTS		COR			FLG	
3195	1	14 07 02.4	-62 14 28	41	0.0067	0.0018	23.6	16.4	3.7	0.8	0	2.7	н	
3198	2	14 07 32.0	-61 41 45	55	0.0169	0.0037	27.1	8.9	4.5	1.4	0	31.9	н	



FIELD CENTER: $14^h07^m32.0^s$ $02^o17'15''$ (B1950) $14^h10^m04.4^s$ $02^o03'07''$ (J2000) ℓ : 343.17 b: 58.64

DATE: 1980/ 18 - 1980/ 18 LIVETIME: 1690.7s ROLL ANGLE: -116.8° NH: 2.6E+20 REF/ID: ! FIELD FLAGS:



CEN BRIGHT PATCH #4

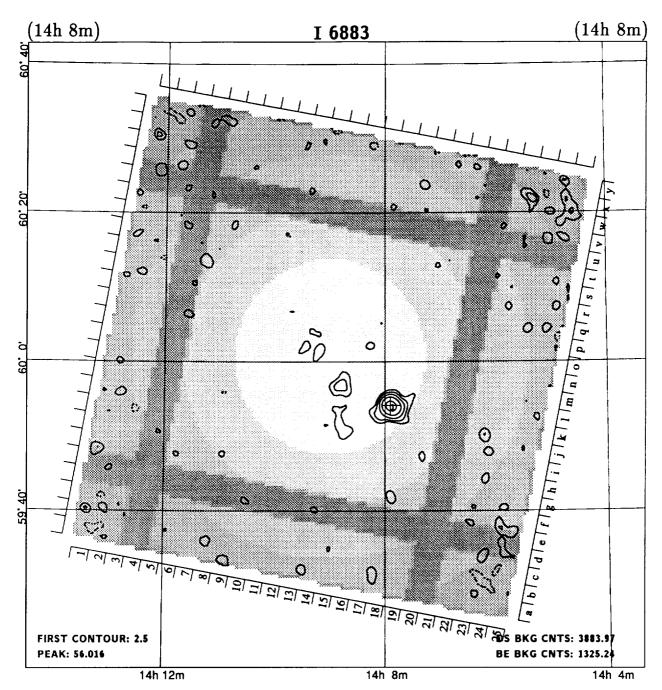
FIELD CENTER: 14^h08^m48.0^s -45°23'59" (B1950) 14^h11^m58.4^s -45°38'04" (J2000)

l: 317.36 b: 14.97

DATE: 1980/ 23 - 1980/ 23 LIVETIME: 977.8s

ROLL ANGLE: -106.0°

NH: 1.2E+21 REF/ID: FIELD FLAGS:

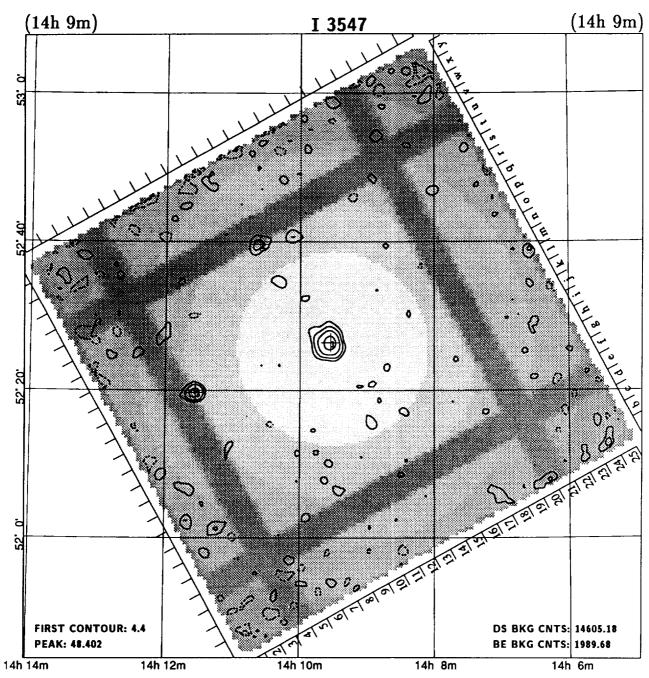


A1877,CLUSTER LUMINOSITIES @ Z=0.25.

FIELD CENTER: $14^h08^m54.0^s$ $60^\circ00'59''$ (B1950) $14^h10^m26.0^s$ $59^\circ46'53''$ (J2000) ℓ : 105.84 b: 54.65

DATE: 1981/ 40 - 1981/ 40 LIVETIME: 3147.3s ROLL ANGLE: -79.3° NH: 1.6E+20 REF/ID: CLG FIELD FLAGS:

CAT	FLD	RA	DEC	±	COUNT	±	NET	BKG	S/N	SIZE	RECO	R'	SRC	ID
#	#	(1950)	(1950)	"	RATE		стѕ	CTS		COR			FLG	
3199	1	14 07 54.3	59 54 09	38	0.0900	0.0068	187.0	12.0	13.3	1.1	0	10.0	Н	

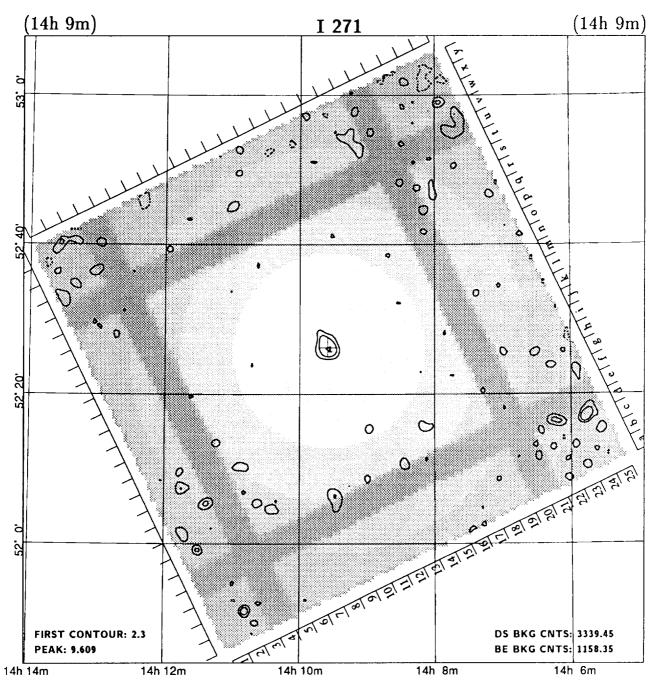


3C 295, CLUSTER SPECTRA EVOLUTION

FIELD CENTER: $14^h09^m30.0^s$ $52^o25'58''$ (B1950) $14^h11^m17.1^s$ $52^o11'54''$ (J2000) ℓ : 97.52 ℓ : 60.81

DATE: 1980/ 2 - 1980/ 3 LIVETIME: 11835.1¢ ROLL ANGLE: -118.9° NH: 1.3E+20 REF/ID: FIELD FLAGS:

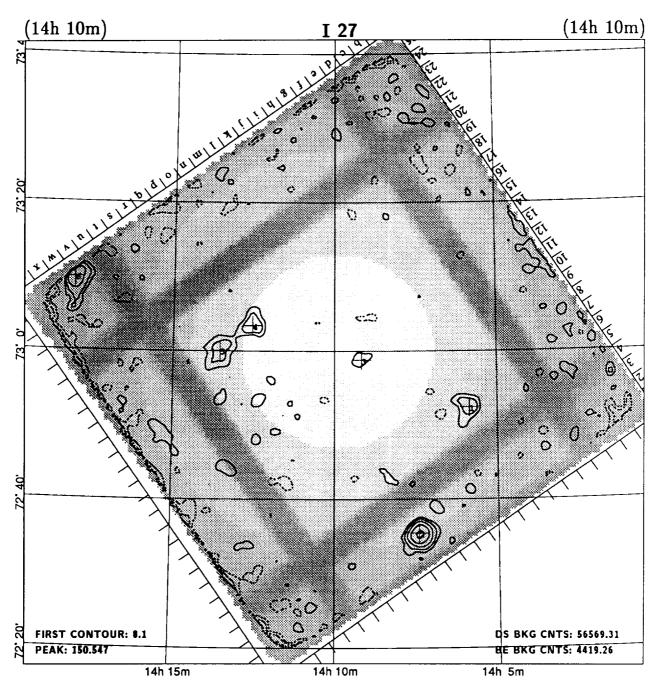
CAT	FLD	RA	DEC	±	COUNT	±	NET	BKG	S/N	SIZE	RECO	R'	SRC	ID
#	#	(1950)	(1950)	"	RATE		CTS	CTS		COR			FLG	
3202	1	14 09 32.7	52 26 24	31	0.0252	0.0018	222.0	41.0	13.7	1.3	0	0.8	AH	*
3204	2	14 10 36.0	52 39 39	56	*0.0056	0.0012	36.8	27.2	4.6	1.1	704	16.7	н	
3208	3	14 11 33.3	52 19 42	50	*0.0097	0.0015	59.4	23.6	6.5	0.8	906	20.1	н	



3C 295 CLUSTER EVOLUTION

FIELD CENTER: $14^h09^m30.0^s$ $52^o25'59''$ (B1950) $14^h11^m17.1^s$ $52^o11'55''$ (J2000) ℓ : 97.52 ℓ : 60.81 DATE: 1979/ 6 - 1979/ 6 LIVETIME: 2706.1s ROLL ANGLE: -115.8°

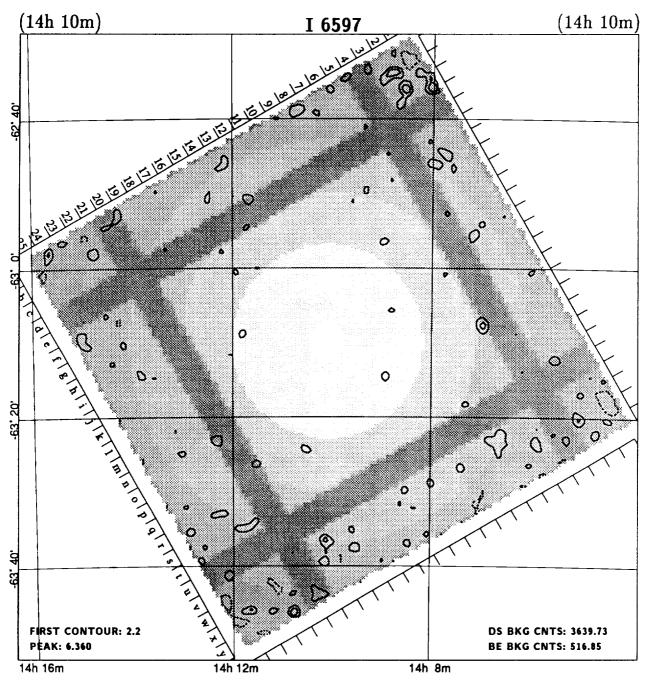
CAT	FLD	RA	DEC	±	COUNT	±	NET	BKG	S/N	SIZE	RECO	R'	SRC	ID
#	#	(1950)	(1950)	"	RATE		CTS	CTS		COR			FLG	
3202	1	14 09 35.2	52 26 16	35	0.0229	0.0037	46.2	10.8	6.1	1.0	0	1.0	AH	*



UMI DEEP SURVEY

FIELD CENTER: $14^h10^m00.0^s$ $72^o59'59''$ (B1950) $14^h10^m36.9^s$ $72^o45'55''$ (J2000) ℓ : 115.03 b: 43.13 DATE: 1979/267 - 1979/269 LIVETIME: 45839.6s ROLL ANGLE: 145.2°

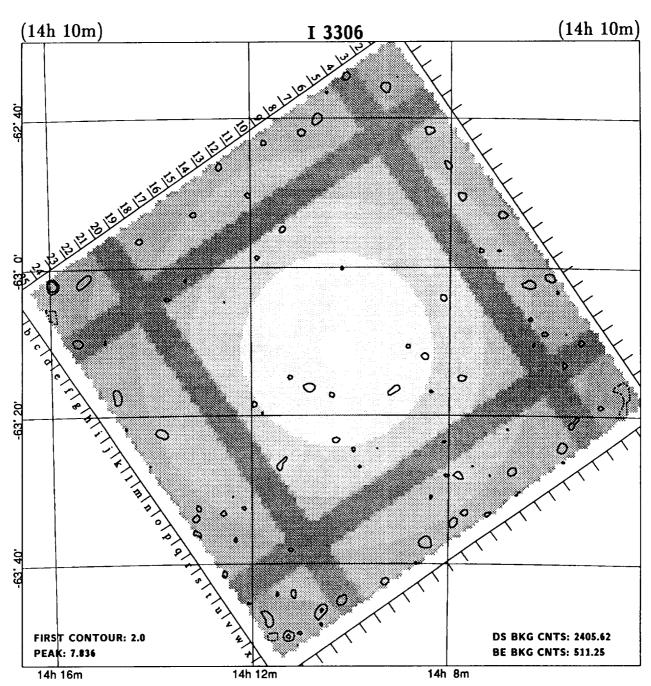
CAT	FLD	RA	DEC	±	COUNT	±	NET	BKG	S/N	SIZE	RECO	R'	SRC	ID
#	#	(1950)	(1950)	"	RATE		стѕ	CTS		COR			FLG	
3192	1	14 05 51.1	72 52 26	51	0.00344	0.00057	82.8	107.2	6.0	1.2	0	19.7	Н	
3197	2	14 07 24.5	72 35 29	47	0.0188	0.0011	346.4	95.6	16.5	1.2	0	27.0	н	
3201	3	14 09 09.8	72 58 47	36	0.00166	0.00043	55.4	154.6	3.8	0.6	0	3.5		
3212	4	14 12 33.3	73 03 29	41	0.00400	0.00053	116.8	125.2	7.5	1.1	0	11.6	н	
3218	5	14 13 33.4	73 00 06	52	0.00325	0.00053	85.5	112.5	6.1	1.5	0	15.3	н	
3252	6	14 18 05.1	73 09 52	56	0.0113	0.0013	114.2	70.8	8.4	1.4	600	36.7	EH	



1410-6310, GALACTIC PLANE SURVEY

FIELD CENTER: $14^{h}10^{m}05.2^{s}$ -63°10'40" (B1950) $14^{h}13^{m}51.3^{s}$ -63°24'41" (J2000) ℓ : 312.00 ℓ : -2.00

DATE: 1980/233 - 1980/233 LIVETIME: 2949.46 ROLL ANGLE: 60.1° NH: 1.2E+21 REF/ID: FIELD FLAGS:



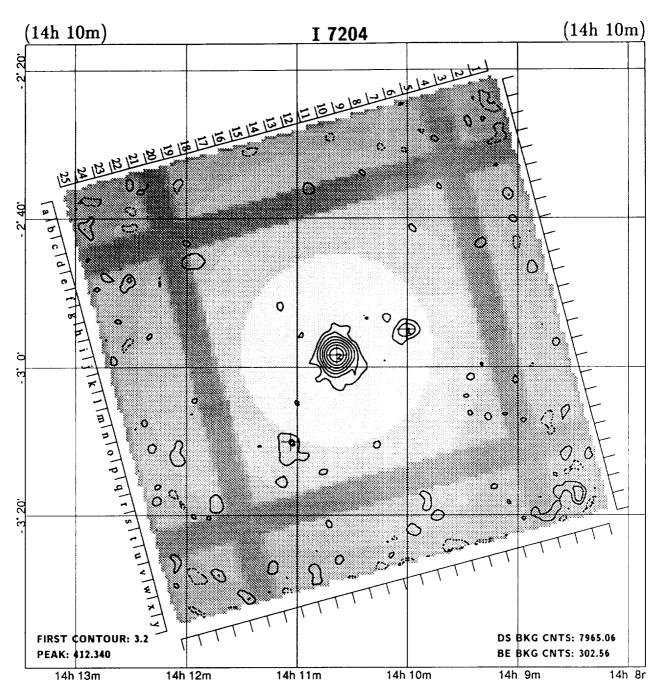
SYMBIOTIC STARS: HE2-106

FIELD CENTER: 14h10m22.7s -63°11'44" (B1950) 14^h14^m09.0^s -63°25'44" (J2000)

ℓ: 312.03 b: -2.03

DATE: 1979/240 - 1979/240 LIVETIME: 1949.4. ROLL ANGLE: 55.4°

NH: 1.2E+21 REF/ID: S FIELD FLAGS: This Page Intentionally Left Blank.



N5506, VARIABILITY OF TYPE 2 SEYFERTS

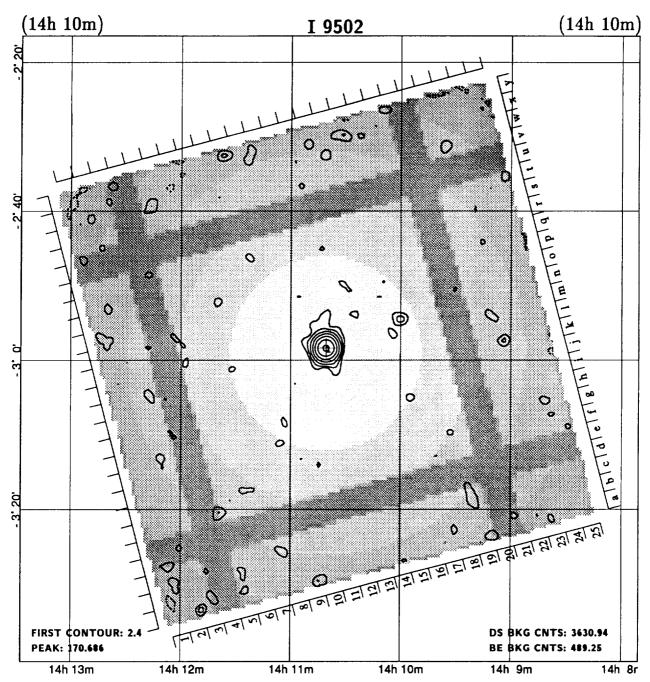
FIELD CENTER: 14^h10^m39.0^s -02°58'29" (B1950) 14^h13^m14.7^s -03°12'30" (J2000)

ℓ: 339.15 b: 53.81

DATE: 1980/194 - 1980/198 LIVETIME: 6454.3s

ROLL ANGLE: 75.1°

CAT	FLD	RA	DEC	±	COUNT	±	NET	BKG	S/N	SIZE	RECO	R'	SRC	ID
#	#	(1950)	(1950)	"	RATE		CTS	CTS		COR			FLG	
3203	1	14 10 00.6	-02 54 54	42	0.0093	0.0018	40.0	18.0	5.3	1.0	0	10.5		
3205	2	14 10 38.5	-02 58 21	31	0.3100	0.0081	1492.0	20.0	38.4	1.1	0	0.2	AH	SY
3206	3	14 11 03.6	-03 10 07	47	0.0072	0.0017	28.4	18.6	4.1	1.4	0	13.2	н	

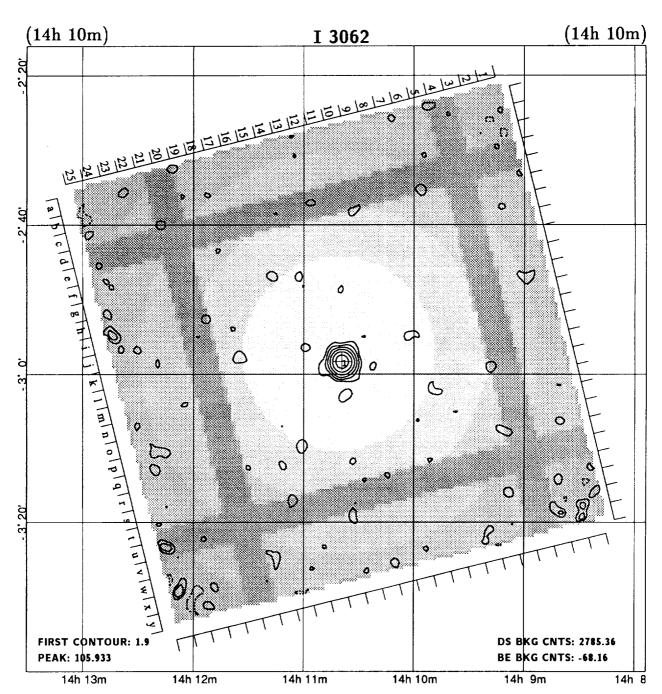


N 5506, VARABILITY OF TYPE 2 SEYFERTS

FIELD CENTER: $14^h 10^m 39.0^s -02^o 58'29''$ (B1950) $14^h 13^m 14.7^s -03^o 12'30''$ (J2000) ℓ : 339.15 b: 53.81

DATE: 1981/ 5 - 1981/ 5 LIVETIME: 2942.3s ROLL ANGLE: -104.8°

CAT	FLD	RA	DEC	±	COUNT	±	NET	BKG	S/N	SIZE	RECO	R'	SRC	ID
#	#	(1950)	(1950)	"	RATE		CTS	CTS		COR			FLG	
3205	1	14 10 40.6	-02 58 22	31	0.316	0.012	692.1	9.9	26.1	1.1	0	0.4	AH	SY



NGC 5506: NARROW EMISSION LINE GALAXIESI

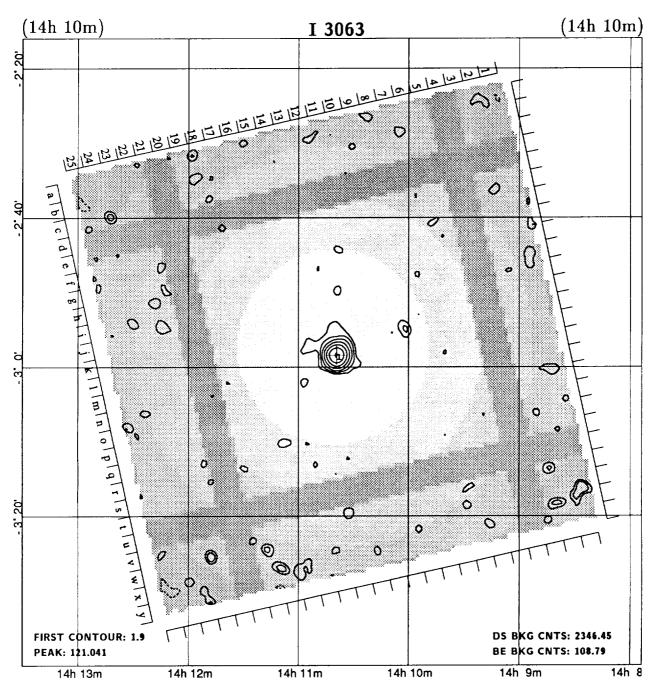
FIELD CENTER: 14^h10^m42.0^s -02°57'59" (B1950) 14^h13^m17.7^s -03°12'00" (J2000)

ℓ: 339.17 b: 53.81

DATE: 1979/202 - 1979/202 LIVETIME: 2257.1s

ROLL ANGLE: 76.2°

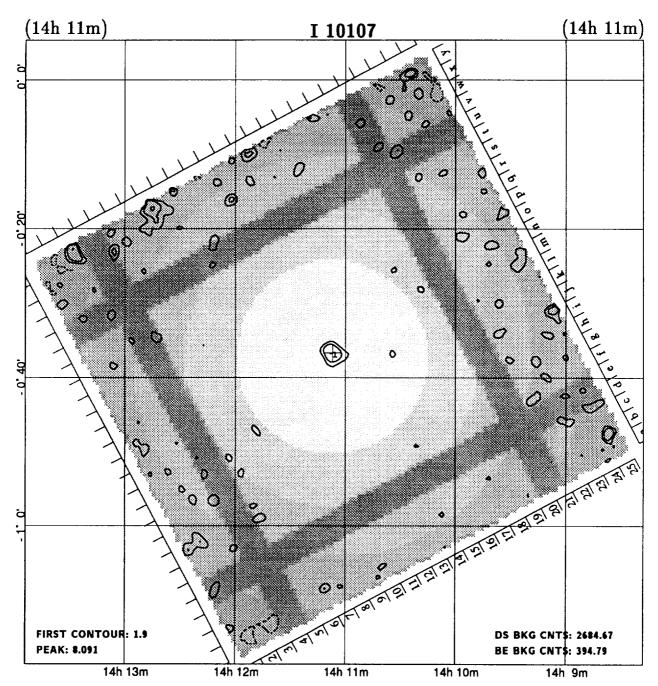
CAT	FLD	RA	DEC	±	COUNT	±	NET	BKG	S/N	SIZE	RECO	R'	SRC	ID
#	#	(1950)	(1950)	"	RATE		CTS	CTS		COR			FLG	
3205	1	14 10 39.2	-02 58 20	31	0.240	0.012	402.8	6.2	19.9	1.1	0	0.7	AH	SY



NGC 5506: NARROW EMISSION LINE GALAXIESI

FIELD CENTER: $14^h 10^m 42.0^s$ -02°57′59″ (B1950) $14^h 13^m 17.7^s$ -03°12′00″ (J2000) ℓ : 339.17 b: 53.01 DATE: 1979/211 - 1979/211 LIVETIME: 1901.46 ROLL ANGLE: 77.5°

Γ	CAT	FLD	RA (1975)	DEC	± "	COUNT	±	NET	BKG	S/N	SIZE	RECO	R'	SRC	ID
1	#	#	(1950)	(1950)	.,	RATE		CIS	CIS		COR			FLG	
Γ	3205	1	14 10 39.2	-02 58 23	31	0.329	0.015	464.3	5.7	21.4	1.1	0	8.0	AH	SY

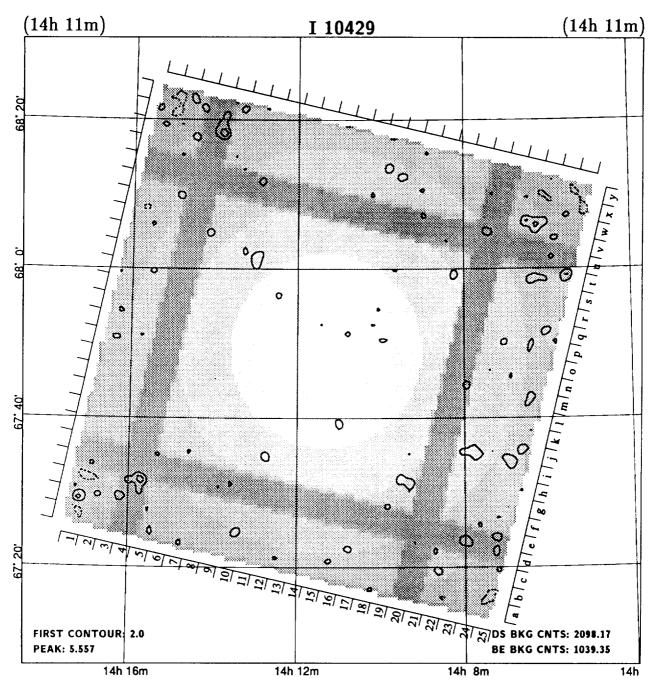


HR5317,HERTZSPRUNG GAP AND RELATED STARS

FIELD CENTER: $14^{h}11^{m}05.9^{s}$ $-00^{\circ}36'36''$ (B1950) $14^{h}13^{m}40.1^{s}$ $-00^{\circ}50'36''$ (J2000) ℓ : 341.52 b: 55.74

DATE: 1981/ 30 - 1981/ 30 LIVETIME: 2175.56 ROLL ANGLE: -118.0°

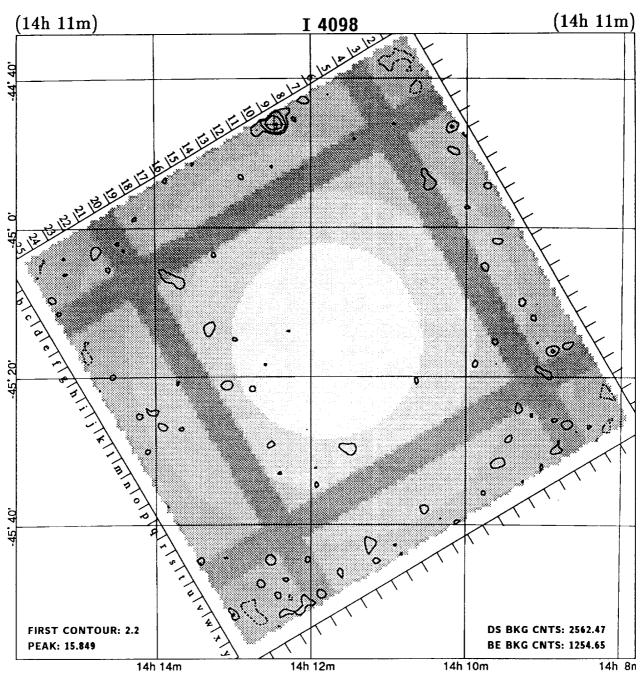
CAT	FLD	RA	DEC	±	COUNT	±	NET	BKG	S/N	SIZE	RECO	R'	SRC	ID
#	#	(1950)	(1950)	"	RATE		CTS	CTS		COR			FLG	
3207	1	14 11 07.0	-00 36 42	36	0.0206	0.0040	33.3	7.7	5.2	1.0	0	0.9	Н	



HD124752,CORONAL EMIS FROM YOUNG STARS IN UMA

FIELD CENTER: $14^{h}11^{m}10.7^{s}$ $67^{o}49'11''$ (B1950) $14^{h}12^{m}15.9^{s}$ $67^{o}35'10''$ (J2000) ℓ : 111.64 b: 47.73

DATE: 1981/ 40 - 1981/ 40 LIVETIME: 1700.2s ROLL ANGLE: -77.1°



H1409-45 POSITION

FIELD CENTER: 14^h11^m48.0^s -45°16'05" (B1950) 14^h14^m59.0^s -45°30'03" (J2000)

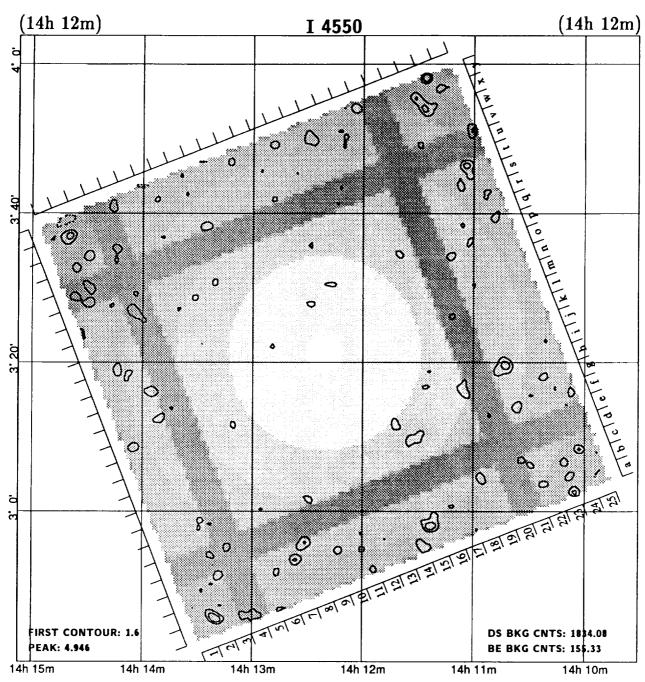
ℓ: 317.92 b: 14.93

DATE: 1979/238 - 1979/238 LIVETIME: 2076.5s

ROLL ANGLE: 59.5°

NH: 1.2E+21 REF/ID: FIELD FLAGS:

CAT	FLD	RA	DEC	±	COUNT	±	NET	BKG	S/N	SIZE	RECO	R'	SRC	ID
#	#	(1950)	(1950)	"	RATE		CTS	CTS		COR			FLG	
3211	1	14 12 28.0	-44 46 11	51	0.0438	0.0083	31.5	4.5	5.2	1.1	400	30.6	н	



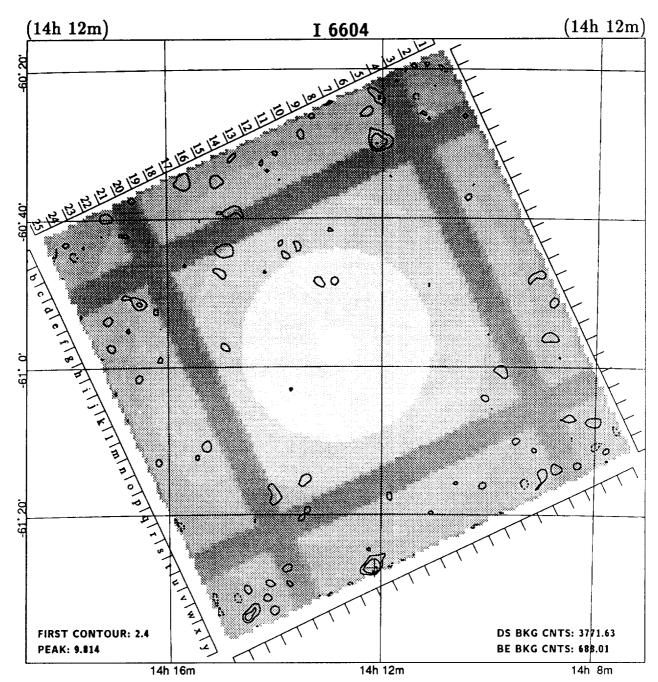
IC 989, EL & SO GAL. WITH COMPACT RADIO CORE

FIELD CENTER: 14^h12^m19.3^s 03°21'46" (B1950) 14h 14m 50.9 03°07'50" (J2000)

ℓ: 346.26 b: 58.80

DATE: 1980/ 17 - 1980/ 17 LIVETIME: 1486.2s

NH: 2.4E+20 REF/ID: ROLL ANGLE: -111.3° FIELD FLAGS:



1412-6057, GALACTIC PLANE SURVEY

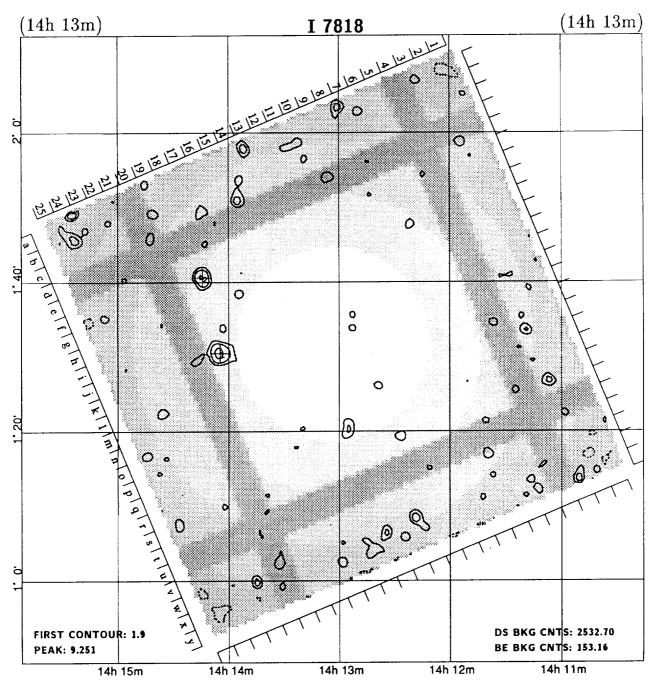
FIELD CENTER: 14^h12^m51.3^s -60°57′57" (B1950) 14^h16^m32.1^s -61°11′51" (J2000)

14"16" 32.1" -61"11"51" (J200) *l*: 313.00 *b*: 0.00 LIVETIME: 3056.3s ROLL ANGLE: 64.8°

DATE: 1980/227 - 1980/227

NH: 1.3E+21 REF/ID: FIELD FLAGS:

CAT	FLD	RA	DEC	±	COUNT	±	NET	BKG	S/N	SIZE	RECO	R'	SRC	ID
#	#	(1950)	(1950)	"	RATE		CTS	CTS		COR			FLG	
3210	1	14 12 07.3	-61 27 18	55	*0.0237	0.0065	18.6	7.4	3.6	0.9	702	29.7	AEH	



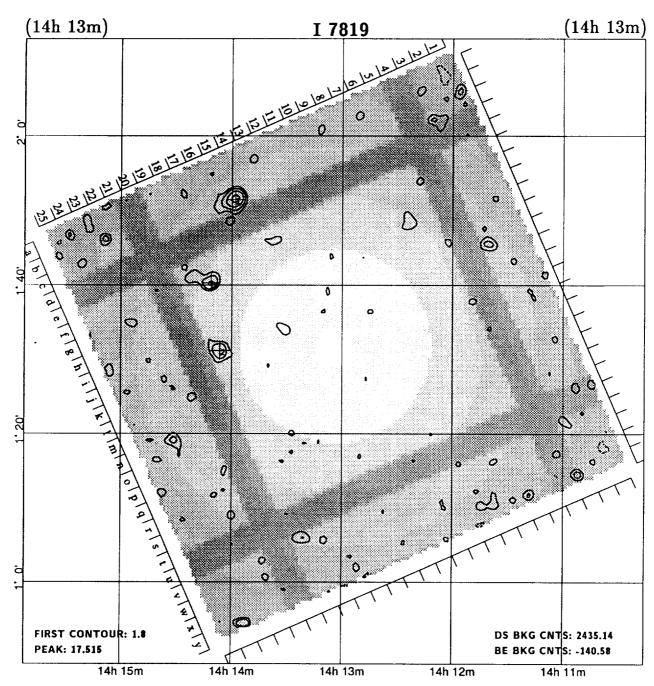
PG 1413+01,X-RAY EMITTING EVOLVED ECLIPSING BINARIES

FIELD CENTER: $14^h 13^m 04.0^s 01^o 30'59''$ (B1950) $14^h 15^m 36.8^s 01^o 17'05''$ (J2000) ℓ : 344.45 b: 57.21

DATE: 1980/195 - 1980/195 LIVETIME: 2052.3s

ROLL ANGLE: 67.5°

CAT	FLD	RA	DEC	±	COUNT	±	NET	BKG	S/N	SIZE	RECO	R'	SRC	ID
#	#	(1950)	(1950)	"	RATE		CTS	CTS		COR			FLG	
3222	1	14 14 04.7	01 30 30	51	0.0267	0.0051	32.0	5.0	5.3	1.1	500	15.3	AH	
3224	2	14 14 14.2	01 40 35	51	0.0216	0.0050	22.8	5.2	4.3	0.8	0	19.9	AH	

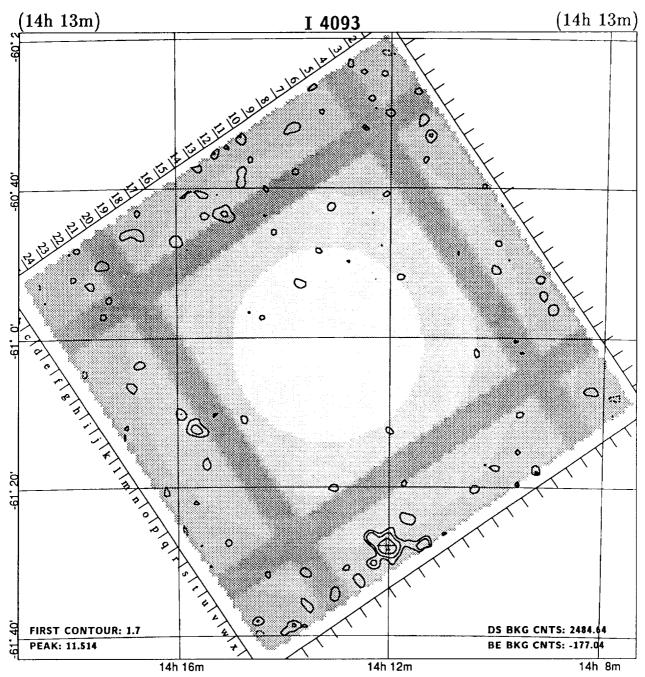


PG 1413+01, X-RAY EMITTING EVOLVED ECLIPSING BINARIES

FIELD CENTER: $14^{h}13^{m}04.0^{s}$ $01^{o}30'59''$ (B1950) $14^{h}15^{m}36.8^{s}$ $01^{o}17'05''$ (J2000) ℓ : 344.45 b: 57.21

DATE: 1980/190 - 1980/190 LIVETIME: 1973.3s ROLL ANGLE: 66.3°

CAT	FLD	RA	DEC	±	COUNT	±	NET	BKG	S/N	SIZE	RECO	R'	SRC	ID
#	#	(1950)	(1950)	"	RATE		стѕ	CTS		COR			FLG	
3221	1	14 13 58.2	01 51 23	50	*0.0425	0.0073	37.5	3.5	5.9	1.0	501	24.4	Н	
3222	2	14 14 06.4	01 31 09	52	*0.0181	0.0044	20.8	4.2	4.2	0.8	501	15.9	АН	
3224	3	14 14 11.3	01 40 17	52	0.0173	0.0045	18.0	4.0	3.8	1.0	0	19.3	AH	

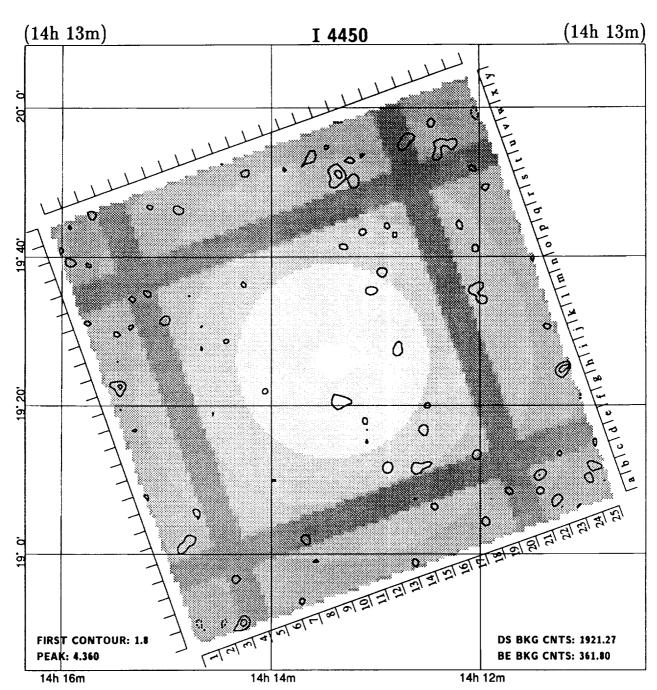


H1403-60 POSITION

FIELD CENTER: $14^{h}13^{m}11.0^{s}$ -61°01′11″ (B1950) $14^{h}16^{m}52.1^{s}$ -61°15′05″ (J2000) ℓ : 313.02 b: -0.06

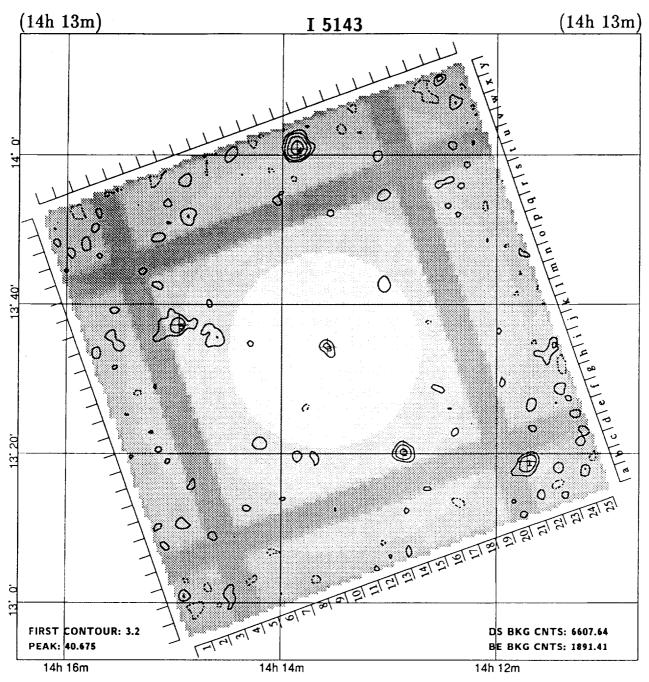
DATE: 1979/240 - 1979/240 LIVETIME: 2013.4s ROLL ANGLE: 56.0° NH: 1.2E+21 REF/ID: FIELD FLAGS:

CAT	FLD	RA	DEC	±	COUNT	±	NET	BKG	S/N	SIZE	RECO	R'	SRC	ID
#	#	(1950)	(1950)	"	RATE		CTS	CTS		COR			FLG	
3210	1	14 12 03.3	-61 27 53	51	0.0376	0.0075	28.8	4.2	5.0	1.7	0	27.7	AH	



ALPHA BOO, CORRELLATION OF X RAYS WITH STELLAR WIND AND ROTATION

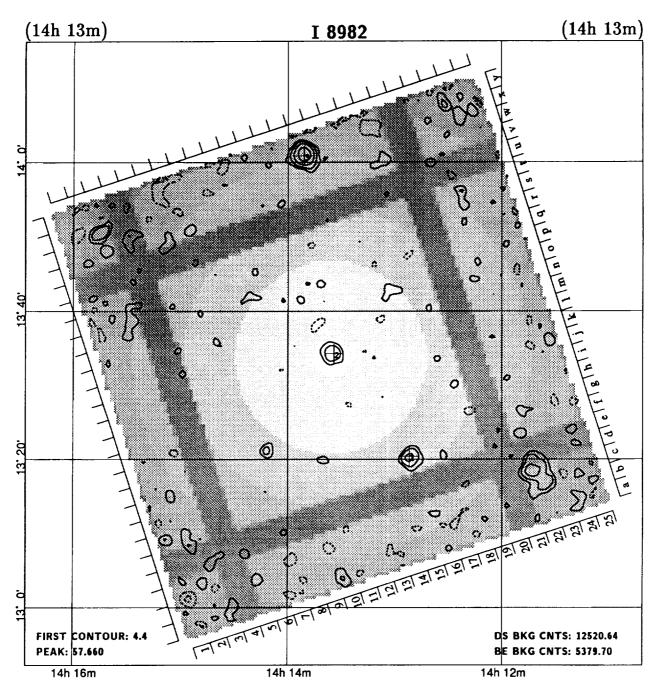
FIELD CENTER: $14^h 13^m 23.0^s 19^o 26'30''$ (B1950) $14^h 15^m 43.7^s 19^o 12'36''$ (J2000) ℓ : 15.14 b: 69.11 DATE: 1980/ 20 - 1980/ 20 LIVETIME: 1556.9a ROLL ANGLE: -109.5°



QSO 1413+135

FIELD CENTER: $14^h 13^m 34.0^s 13^o 34'17''$ (B1950) $14^h 15^m 58.9^s 13^o 20'24''$ (J2000) ℓ : 2.21 b: 65.91 DATE: 1980/ 20 - 1980/ 21 LIVETIME: 5354.4s ROLL ANGLE: -109.7°

CAT	FLD	RA	DEC	±	COUNT	±	NET	BKG	S/N	SIZE	RECO	R'	SRC	ID
#	#	(1950)	(1950)	"	RATE		CTS	CTS		COR			FLG	
3209	1	14 11 43.1	13 18 58	57	*0.0134	0.0032	23.8	8.2	4.2	0.9	1004	31.1	Н	*
3215	2	14 12 51.9	13 20 16	51	0.0127	0.0025	37.6	15.4	5.2	0.8	0	17.0	AH	*
3219	3	14 13 34.4	13 34 22	36	0.0063	0.0017	25.1	21.9	3.7	0.7	0	0.6	Α	Q
3220	4	14 13 51.9	14 00 49	48	0.0414	0.0048	87.3	15.7	8.6	1.1	0	26.9	AH	•
3228	5	14 14 57.4	13 37 15	51	0.0114	0.0024	30.9	13.1	4.7	1.2	200	20.6	н	*



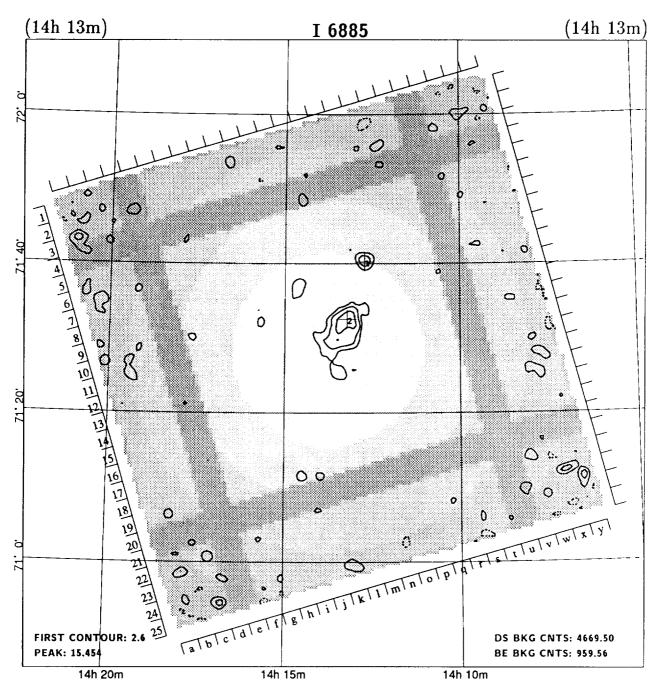
RED QSOs-II:1413+135

FIELD CENTER: 14^h13^m34.0^s 13°34'17" (B1950) 14^h15^m58.9^s 13°20'24" (J2000)

14^h15^m58.9^s 13°20′24″ (J2000) LIVETIM ℓ: 2.21 b: 65.91 ROLL A

DATE: 1981/ 24 - 1981/ 25 LIVETIME: 10145.9s ROLL ANGLE: -107.9°

CAT	FLD	RA	DEC	±	COUNT	±	NET	BKG	S/N	SIZE	RECO	R'	SRC	ID
#	#	(1950)	(1950)	"	RATE		CTS	CTS		COR			FLG	
3215	1L	14 12 51.7	13 20 24	50	0.0100	0.0021	56.9	39.1	4.7	0.9	0	17.3	Α	*
3219	2L	14 13 34.1	13 34 17	35	0.0097	0.0018	73.0	48.0	5.4	0.9	0	0.1	Α	Q
3220	3L	14 13 50.9	14 00 51	48	0.0272	0.0036	107.9	43.1	7.3	1.1	0	26.9	Α	*

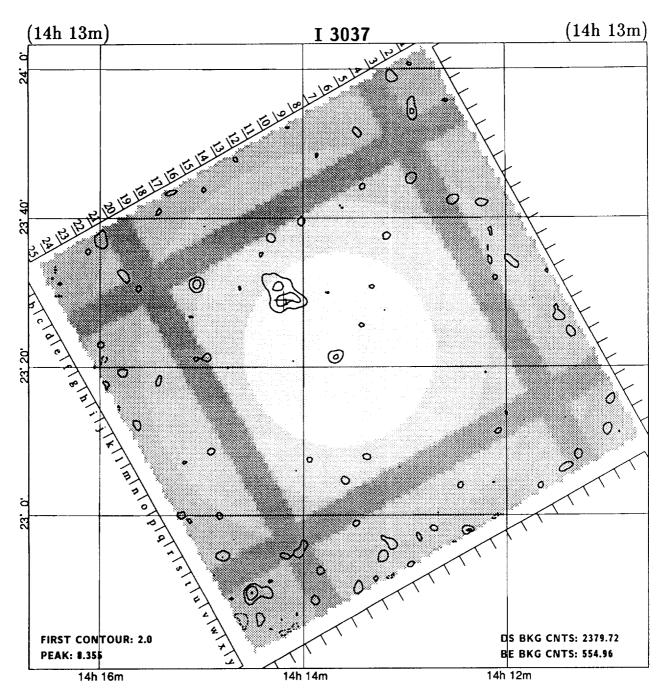


A1895,CLUSTER LUMINOSITIES @ Z=0.25.

FIELD CENTER: $14^h 13^m 36.0^s$ $71^o 27' 59''$ (B1950) $14^h 14^m 20.5^s$ $71^o 14' 03''$ (J2000) ℓ : 113.76 b: 44.39

DATE: 1980/106 - 1980/106 LIVETIME: 3783.8s ROLL ANGLE: -16.3° NH: 2.1E+20 REF/ID: ! FIELD FLAGS:

CAT	FLD	RA	DEC	±	COUNT	±	NET	BKG	S/N	SIZE	RECO	R'	SRC	ID
#	#	(1950)	(1950)	"	RATE		CTS	CTS		COR			FLG	
3214	1	14 12 43.3	71 40 15	43	0.0107	0.0026	25.4	11.6	4.2	0.7	0	13.1	Н	
3217	2	14 13 13.4	71 32 36	35	0.0268	0.0035	72.6	15.4	7.7	2.6	0	5.0	н	CLG

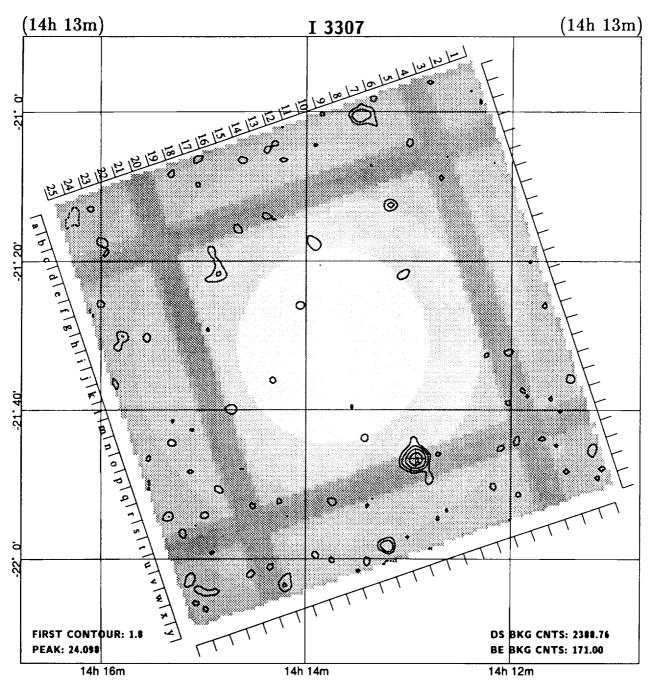


4C23.37: HIGH REDSHIFT CLUSTERS OF GALAXIES

FIELD CENTER: $14^h 13^m 39.0^s 23^\circ 21'26''$ (B1950) $14^h 15^m 56.8^s 23^\circ 07'33''$ (J2000) ℓ : 25.78 b: 70.48

DATE: 1979/179 - 1979/180 LIVETIME: 1928.4s ROLL ANGLE: 60.8° NH: 2.0E+20 REF/ID: FIELD FLAGS:

CAT FLD RA DEC \pm COUNT NET BKG S/N SIZE **RECO** SRC ID (1950) (1950)RATE CTS CTS COR FLG # 14 14 11.8 23 29 03 45 0.0166 0.0041 21.2 6.8 4.0 1.9 0 10.9 Н 3223 1

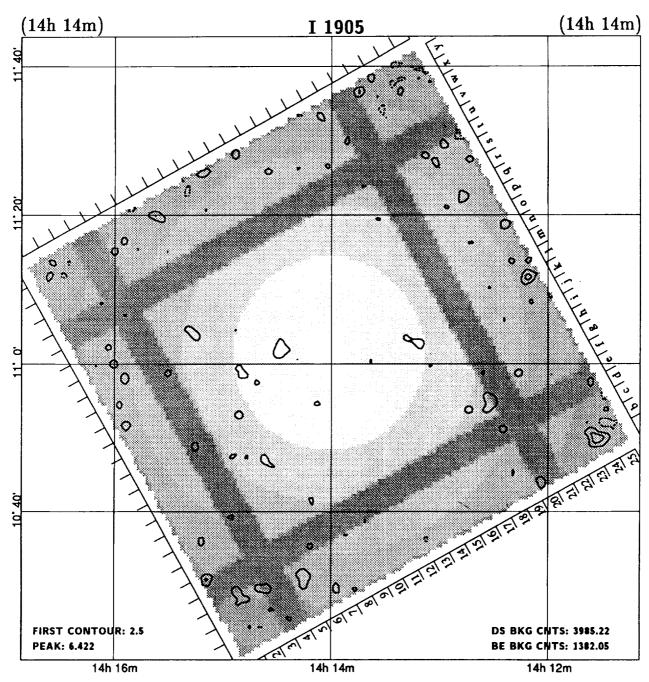


SYMBIOTIC STARS: BD -21 3873

FIELD CENTER: 14^h13^m45.8^s -21°31′58" (B1950) 14^h16^m34.3^s -21°45′51" (J2000) ℓ: 327.88 b: 36.95

21°31′58″ (B1950) DATE: 1979/206 - 1979/206 21°45′51″ (J2000) LIVETIME: 1935.7s 86.95 ROLL ANGLE: 71.3° NH: 7.1E+20 REF/ID: S FIELD FLAGS:

Г	CAT	FLD	RA	DEC	±	COUNT	±	NET	BKG	S/N	SIZE	RECO	R'	SRC	ID
L	#	#	(1950)	(1950)	"	RATE		CTS	CTS		COR			FLG	
	3216	1	14 12 55.5	-21 46 25	48	*0.0651	0.0082	66.9	4.1	7.9	1.1	1007	18.4	Н	



X-RAY STUDY OF RADIO GALAXIES: 3C296

FIELD CENTER: 14^h14^m00.0^s 11°01'59" (B1950) 14^h16^m26.6^s 10°48'07" (J2000)

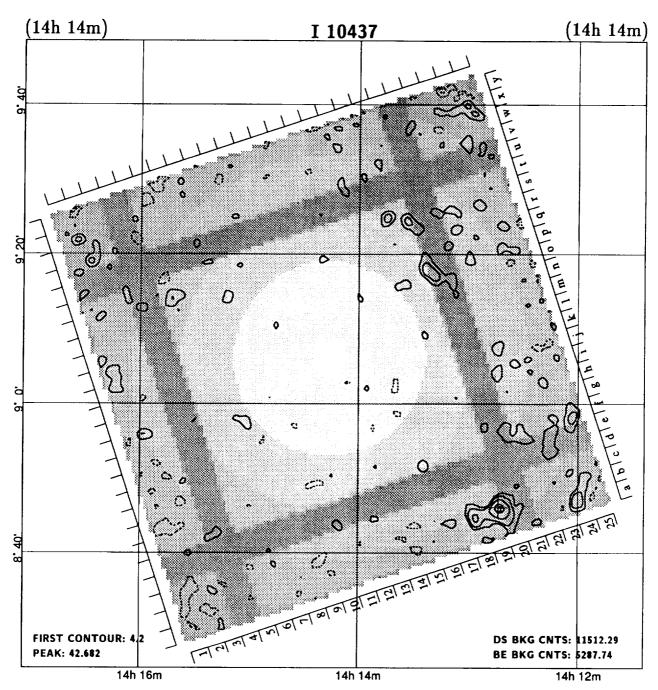
l: 357.79 b: 64.19

DATE: 1979/ 24 - 1979/ 24 LIVETIME: 3229.4e

ROLL ANGLE: -119.1°

REF/ID: ! FIELD FLAGS: L

NH: 1.9E+20



1414+09, OPTICALLY SELECTED QSOS

FIELD CENTER: 14h14m14.0 09006'38" (B1950) 14h16m41.8 08°52'46" (J2000)

ℓ: 354.76 b: 62.82

DATE: 1981/ 25 - 1981/ 25

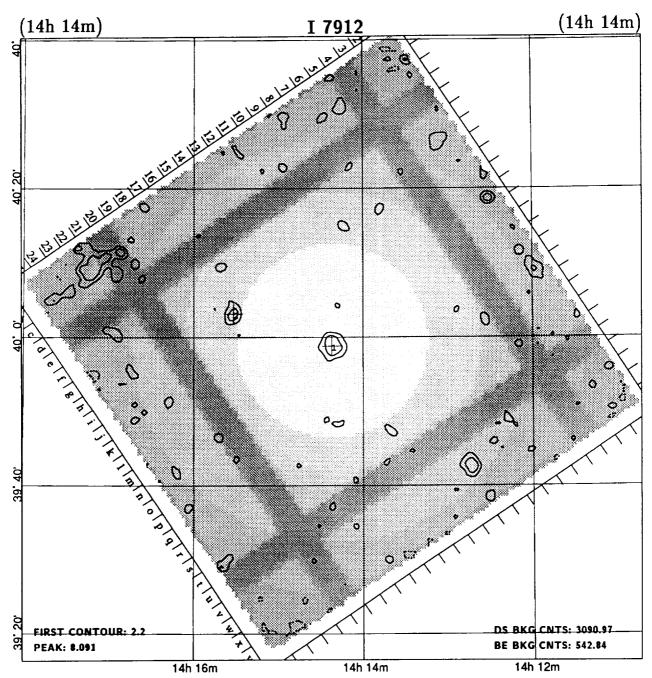
LIVETIME: 9328.9s

ROLL ANGLE: -108.2°

NH: 2.0E+20 REF/ID:

FIELD FLAGS: L

CAT FLD RA DEC COUNT ± NET BKG S/N SIZE RECO SRC ID (1950)(1950)RATE CTS CTS COR FLG 3213 1L 14 12 43.1 08 46 09 50 *0.0224 0.0045 72.1 34.6 4.8 1.7 803 30.4

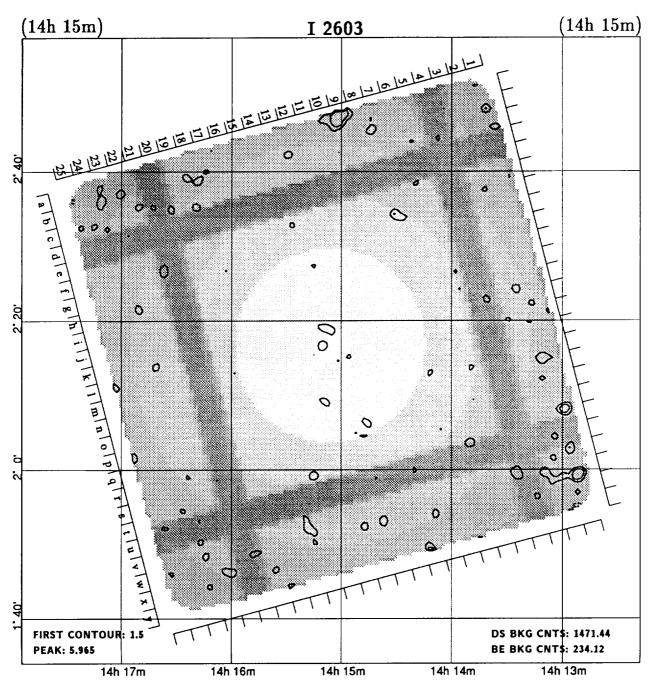


HD 125111,CORONAL ACTIVITY IN F,G, & K STARS

FIELD CENTER: $14^{h}14^{m}22.2^{s}$ $39^{\circ}58'31''$ (B1950) $14^{h}16^{m}24.9^{s}$ $39^{\circ}44'39''$ (J2000) ℓ : 73.94 θ : 68.33

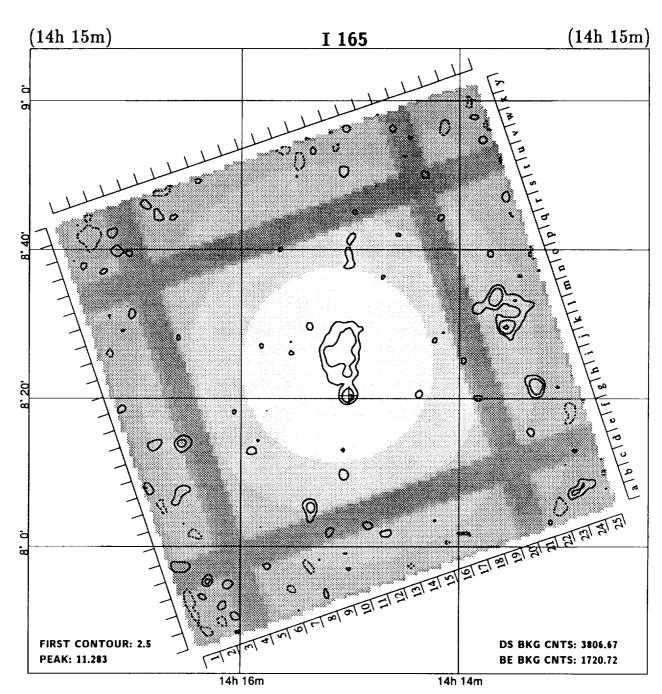
DATE: 1980/181 - 1980/181 LIVETIME: 2504.7s ROLL ANGLE: 56.2° NH: 8.7E+19 REF/ID: FIELD FLAGS:

CAT	FLD	RA	DEC	±	COUNT	±	NET	BKG	S/N	SIZE	RECO	R'	SRC	ID
#	#	(1950)	(1950)	"	RATE		CTS	CTS		COR			FLG	
3226	1	14 14 22.4	39 58 47	36	0.0176	0.0035	32.8	9.2	5.1	1.2	0	0.2	Н	İ
3232	2	14 15 32.0	40 03 10	45	0.0128	0.0034	19.5	7.5	3.8	0.7	0	13.9	н	



MKW 6: CD GALAXIES IN POOR CLUSTERS

FIELD CENTER: 14^h15^m06.0^s 02°15'59" (B1950) DATE: 1979/213 - 1979/213 NH: 2.7E+20 14^h17^m38.3^s 02°02'10" (J2000) LIVETIME: 1192.3_s REF/ID: 4: 346.04 b: 57.51 ROLL ANGLE: 75.3° FIELD FLAGS:



A1890 CLUSTER SURFACE BRIGHTNESS

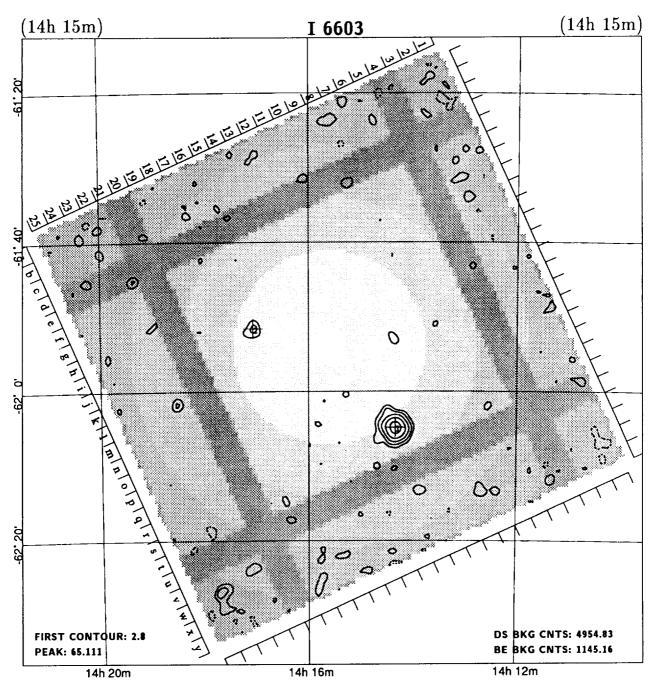
FIELD CENTER: 14^h15^m06.0^s 08°24'57" (B1950) 14^h17^m34.3^s 08°11'07" (J2000)

14"17" 34.3° 08"11'07" (J2 ℓ: 354.03 b: 62.17 DATE: 1979/ 24 - 1979/ 24 LIVETIME: 3084.7s ROLL ANGLE: -108.9°

REF/ID: CLG FIELD FLAGS: L

NH: 2.1E+20

CAT	FLD	RA	DEC	±	COUNT	±	NET	BKG	S/N	SIZE	RECO	R'	SRC	ID
#	#	(1950)	(1950)	"	RATE		CTS	CTS		COR			FLG	
3230	1L	14 15 00.7	08 20 23	42	0.0167	0.0037	37.0	13.0	4.3	6.3	0	5.1		

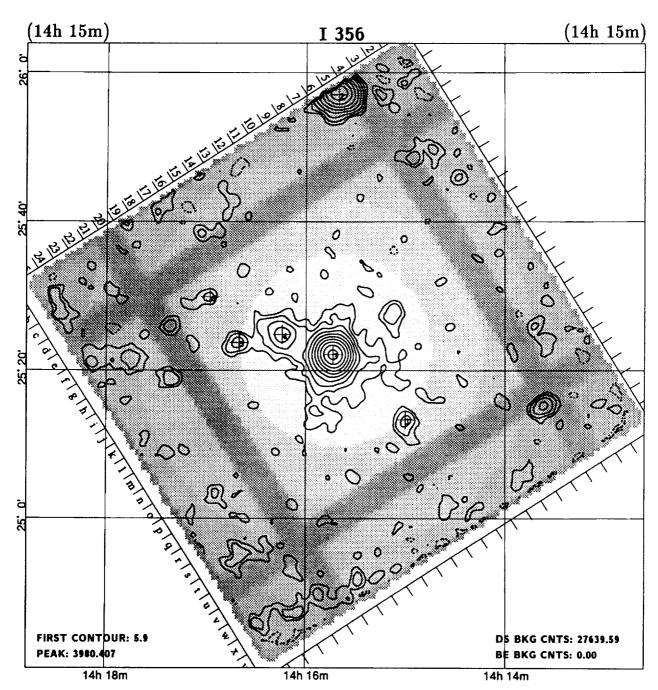


1415-6154, GALACTIC PLANE SURVEY

FIELD CENTER: $14^{h}15^{m}33.3^{s}$ -61°54′42″ (B1950) $14^{h}19^{m}18.1^{s}$ -62°08′30″ (J2000) ℓ : 313.00 b: -1.00

DATE: 1980/227 - 1980/228 LIVETIME: 4015.1s ROLL ANGLE: 65.7° NH: 1.2E+21 REF/ID: FIELD FLAGS:

CAT	FLD	RA	DEC	±	COUNT	±	NET	BKG	S/N	SIZE	RECO	R'	SRC	ID
#	#	(1950)	(1950)	"	RATE		CTS	CTS		COR			FLG	
3225	1	14 14 19.6	-62 04 52	38	0.0869	0.0062	212.3	13.7	14.1	1.2	0	13.3	AH	
3246	2	14 17 04.2	-61 51 36	46	0.0088	0.0023	23.2	14.8	3.8	0.7	0	11.0		

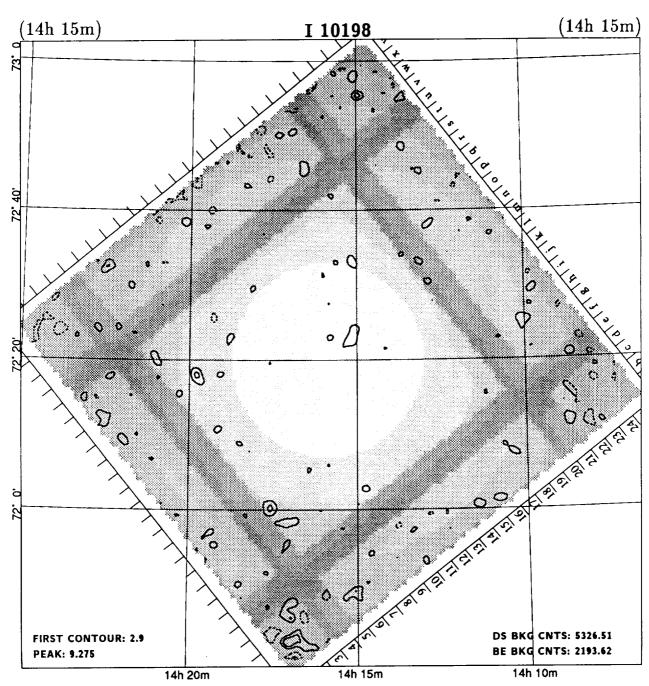


NGC 5548 SEYFERT VARIABILITY STUDY

FIELD CENTER: $14^{h}15^{m}42.0^{s}$ $25^{\circ}21'59''$ (B1950) $14^{h}17^{m}58.0^{s}$ $25^{\circ}08'11''$ (J2000) ℓ : 31.96 δ : 70.50

DATE: 1979/180 - 1979/181 LIVETIME: 22397.2s ROLL ANGLE: 57.5° NH: 1.7E+20 REF/ID: ! FIELD FLAGS: LS

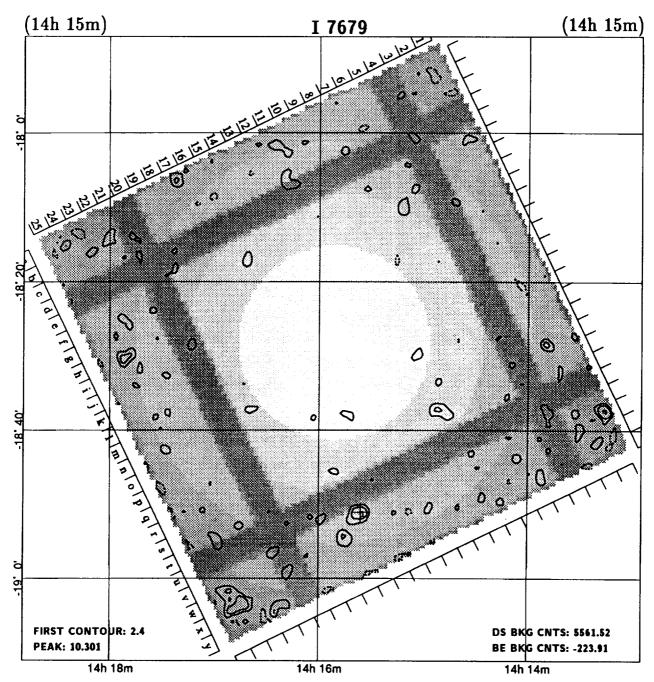
CAT	FLD	RA	DEC	±	COUNT	±	NET	BKG	S/N	SIZE	RECO	R'	SRC	ID
#	#	(1950)	(1950)	"	RATE		CTS	CTS		COR			FLG	
3229	1L	14 14 59.9	25 13 17	39	0.0068	0.0011	94.6	73.4	5.9	1.2	0	13.0		AGN
3235	2L	14 15 40.4	25 57 02	47	*0.2071	0.0078	2172.5	383.5	26.6	1.2	1104	35.1	ı	BL
3236	3L	14 15 43.7	25 22 07	31	0.9058	0.0087	15121.0	1474.0	104.0	1.3	0	0.4		
3237	4L	14 16 14.4	25 24 47	38	0.0133	0.0015	204.7	165.3	8.6	63.7	0	7.8		CLG
3241	5L	14 16 40.4	25 23 44	39	0.0071	0.0011	97.8	69.2	6.1	167.1	0	13.3		AGN
3243	6L	14 16 58.0	25 29 51	55	0.0036	0.0010	43.4	49.6	3.5	1.3	0	18.6		



UMI MEDIUM SENSITIVITY SURVEY, TARGET 5

FIELD CENTER: 14h15m48.0s 72°20'59" (81950) DATE: 1980/357 - 1980/357 14h 16m 25.0s 72°07'09" (J2000) ℓ: 114.11 b: 43.52

LIVETIME: 4316.2s ROLL ANGLE: -128.3°



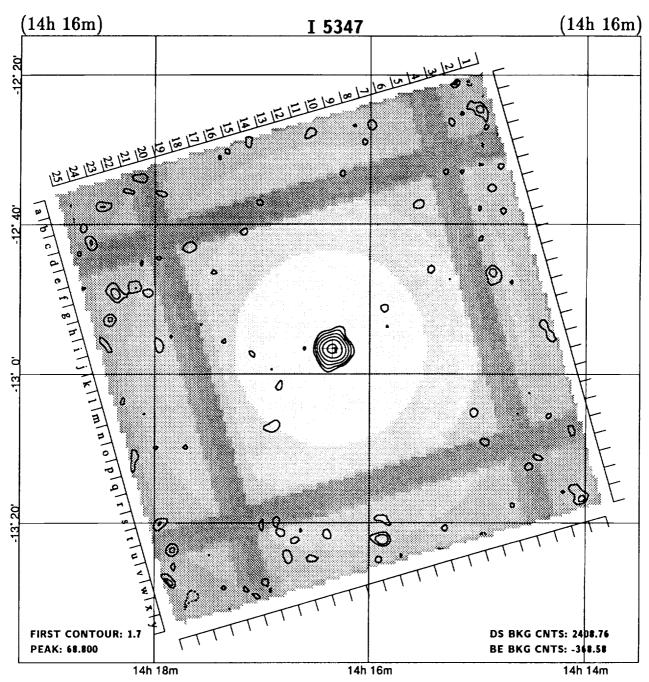
HD 125248,EMISSION FROM MAGNETIC AND NON-MAGNETIC AP STARS

FIELD CENTER: 14^h15^m52.0^s -18°29'07" (B1950) 14^h18^m38.4^s -18°42'55" (J2000)

14"18" 38.4" -18"42'55" (J200) £: 330.06 b: 39.52 LIVETIME: 4506.76
ROLL ANGLE: 64.1°

DATE: 1980/211 - 1980/211

CAT	FLD	RA	DEC	±	COUNT	±	NET	BKG	S/N	SIZE	RECO	R'	SRC	ID
#	#	(1950)	(1950)	"	RATE		CTS	CTS		COR			FLG	
3233	1	14 15 35.9	-18 51 02	53	*0.0092	0.0024	19.2	6.8	, 3.8	0.9	703	22.0	Н	



SURVEY OF BRIGHT QUASARS (PG)

FIELD CENTER: 14^h 16^m 22.5^s -12°56′46″ (B1950) 14^h 19^m 05.0^s -13°10′33″ (J2000)

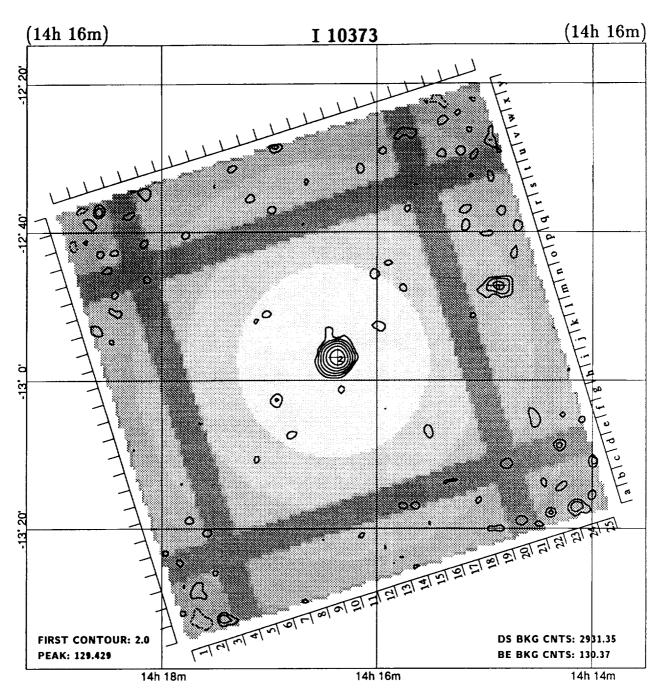
ℓ: 333.52 b: 44.43

DATE: 1980/216 - 1980/216 LIVETIME: 1951.9s

ROLL ANGLE: 74.0°

NH: 6.8E+20 REF/ID: FIELD FLAGS: C

SIZE CAT FLD RA DEC COUNT NET BKG S/N RECO SRC ID (1950) (1950) RATE CTS CTS COR **FLG** 0.197 0.012 3238 14 16 20.8 -12 56 39 287.5 16.8 1.2 0 0.4 ΑH 1 4.5 Q



PG 1416-12, SEARCH FOR VARIABILITY IN HIGH COUNT RATE QSOS

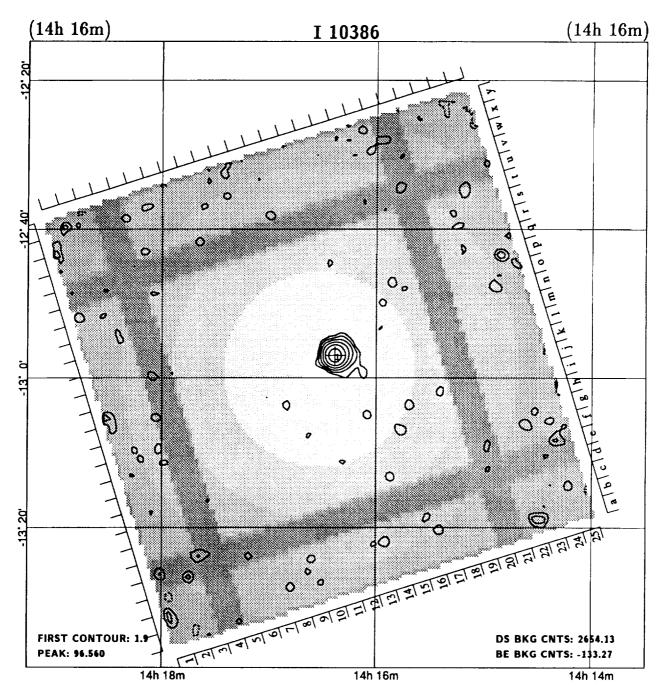
FIELD CENTER: 14^h16^m22.5^s -12°56'46" (B1950) 14^h19^m05.0^s -13°10'33" (J2000)

ℓ: 333.52 b: 44.43

DATE: 1981/ 30 - 1981/ 30 LIVETIME: 2375.4s

ROLL ANGLE: -107.3°

CAT	FLD	RA	DEC	±	COUNT	±	NET	BKG	S/N	SIZE	RECO	R'	SRC	ID
#	#	(1950)	(1950)	"	RATE		CTS	CTS		COR			FLG	
3227	1	14 14 53.4	-12 47 09	52	0.0223	0.0051	23.3	4.7	4.4	1.1	0	24.1	AH	
3238	2	14 16 21.9	-12 56 54	31	0.292	0.013	516.2	7.8	22.5	1.1	0	0.2	AH	Q



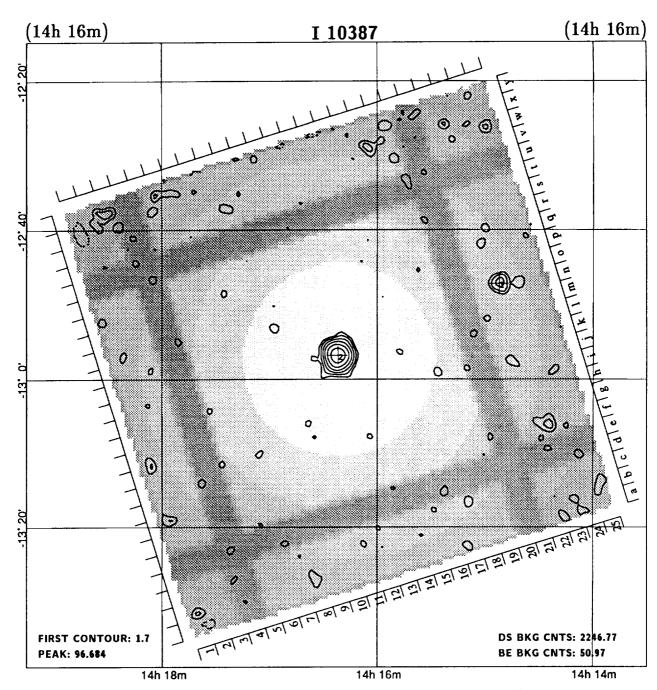
PG 1416-12, SEARCH FOR VARIABILITY IN HIGH COUNT RATE QSOS

FIELD CENTER: $14^{h}16^{m}22.5^{s}$ -12°56′46″ (B1950) $14^{h}19^{m}05.0^{s}$ -13°10′33″ (J2000) ℓ : 333.52 b: 44.43

LIVETIME: 2150.7s ROLL ANGLE: -107.2°

DATE: 1981/ 30 - 1981/ 30

CAT	FLD	RA	DEC	±	COUNT	±	NET	BKG	S/N	SIZE	RECO	R'	SRC	ID
#	#	(1950)	(1950)	"	RATE		CTS	CTS		COR			FLG	İ
3238	1	14 16 23.0	-12 56 55	31	0.257	0.013	405.4	5.6	20.0	1.2	0	0.4	AH	Q



PG 1416-12, SEARCH FOR VARIABILITY IN HIGH COUNT RATE QSOS

FIELD CENTER: 14^h16^m22.5^s -12°56′46″ (B1950) 14^h19^m05.0^s -13°10′33″ (J2000)

l: 333.52 b: 44.43

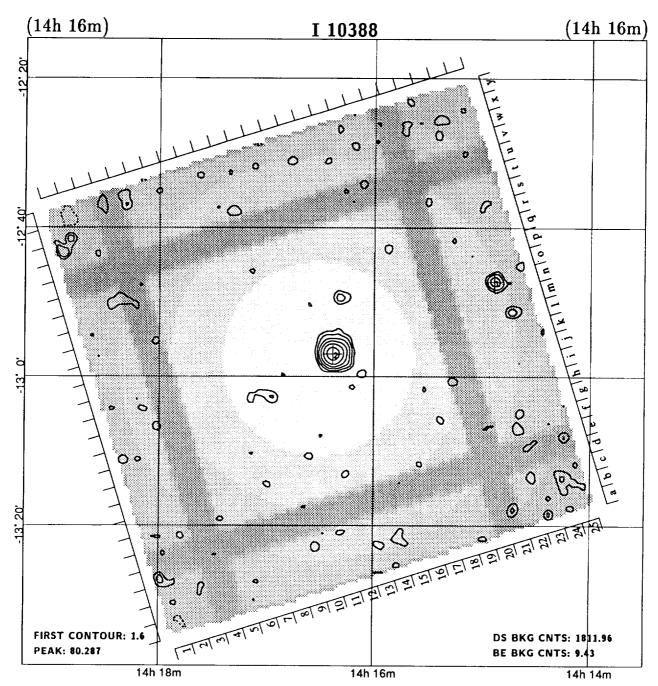
LIVETIME: 1820.6s

ROLL ANGLE: -107.2°

DATE: 1981/ 31 - 1981/ 31

NH: 6.8E+20 REF/ID: FIELD FLAGS: C

FLD RA DEC COUNT NET BKG S/N SIZE RECO SRC ID CAT \pm RATE CTS CTS COR FLG # # (1950)(1950)14 14 52.1 -12 47 11 52 0.0238 0.0059 19.5 3.5 4.1 0.9 24.1 AH 3227 1 429.5 14 16 21.9 -12 56 47 31 0.316 0.015 5.5 20.6 1.2 0 0.2 AΗ Q 3238



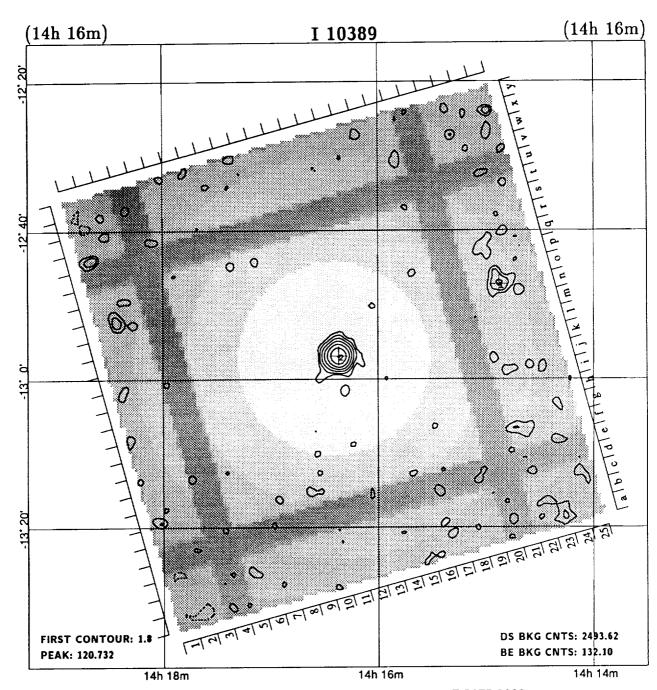
PG 1416-12, SEARCH FOR VARIABILITY IN HIGH COUNT RATE QSOS

FIELD CENTER: 14^h 16^m 22.5^s -12°56′46″ (B1950) 14^h 19^m 05.0^s -13°10′33″ (J2000)

14"19""05.0° -13°10'33" (J2000 ℓ: 333.52 b: 44.43 DATE: 1981/ 32 - 1981/ 32 LIVETIME: 1468.3s ROLL ANGLE: -107.2°

NH: 6.8E+20 REF/ID: FIELD FLAGS: C

CAT	FLD	RA	DEC	±	COUNT	±	NET	BKG	S/N	SIZE	RECO	R'	SRC	ID
#	#	(1950)	(1950)	"	RATE		стѕ	CTS		COR			FLG	
3227	1	14 14 53.3	-12 47 15	52	0.0277	0.0073	17.0	3.0	3.8	0.9	0	23.6	AH	
3238	2	14 16 22.9	-12 56 59	31	0.295	0.017	319.3	4.7	17.7	1.2	0	0.2	AH	Q



PG 1416-12, SEARCH FOR VARIABILITY IN HIGH COUNT RATE QSOS

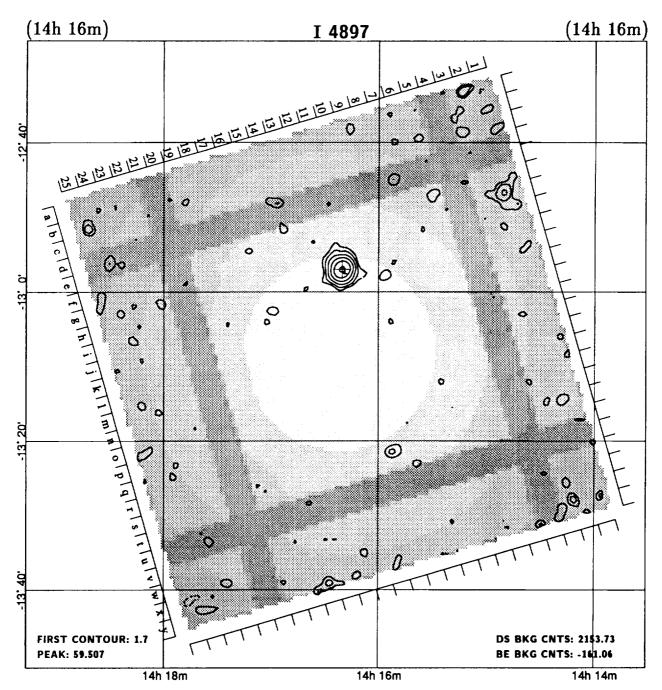
FIELD CENTER: 14^h16^m22.5^s -12°56'46" (B1950) 14^h19^m05.0^s -13°10'33" (J2000) DATE: 1981/ 33 - 1981/ 33 LIVETIME: 2020.76 NH: 6.8E+20 REF/ID:

ℓ: 333.52 *b*: 44.43

ROLL ANGLE: -105.2°

FIELD FLAGS: C

CAT	FLD	RA	DEC	±	COUNT	±	NET	BKG	S/N	SIZE	RECO	R'	SRC	۵I
#	#	(1950)	(1950)	"	RATE		CTS	CTS		COR			FLG	
3227	1	14 14 52.5	-12 47 12	55	0.0183	0.0051	16.2	3.8	3.6	1.1	0	23.8	AH	
3238	2	14 16 22.0	-12 56 53	31	0.321	0.015	483.2	6.8	21.8	1.1	0	0.2	AH	Q



STAR LAMBDA VIR (HD 125337),AP STARS

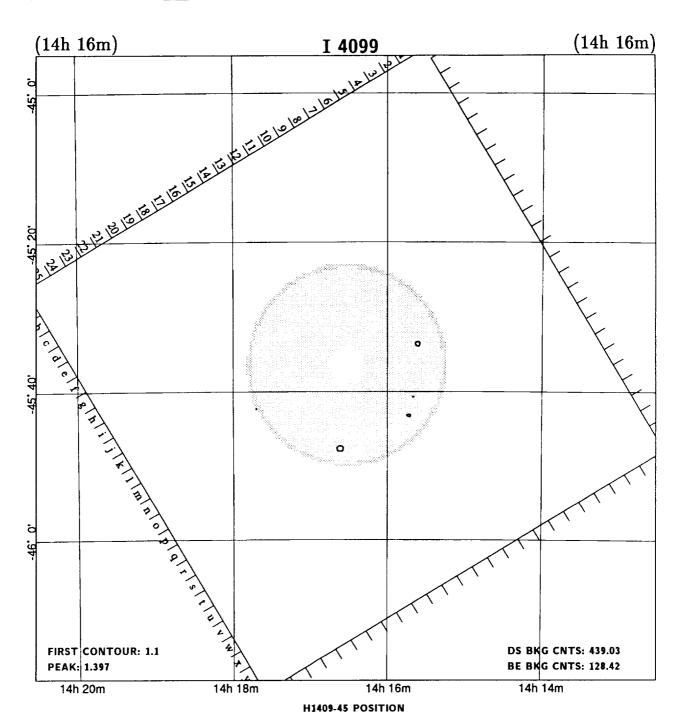
FIELD CENTER: 14^h16^m24.0^s -13°08'31" (B1950) 14^h19^m06.6^s -13°22'17" (J2000)

14" 19" 06.6" -13° 22' 17" (l: 333.40 b: 44.25 DATE: 1980/ 36 - 1980/197 LIVETIME: 1745.2s

ROLL ANGLE: 73.9°

NH: 6.8E+20 REF/ID: FIELD FLAGS:

ſ	CAT	FLD	RA	DEC	±	COUNT	±	NET	BKG	S/N	SIZE	RECO	R'	SRC	ID
-	#	#	(1950)	(1950)	"	RATE		стѕ	CTS		COR			FLG	
	3238	1	14 16 20.3	-12 56 59	38	0.178	0.013	202.8	4.2	14.1	1.2	0	11.6	AH	Q



FIELD CENTER: 14h16m32.0s -45°36'53" (B1950) 14h19m44.6' -45°50'39" (J2000)

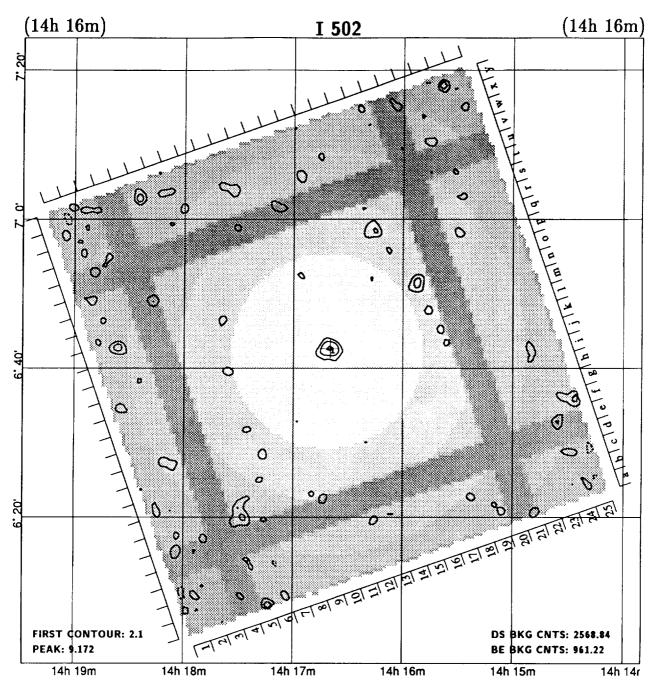
ℓ: 318.61 b: 14.32

DATE: 1979/240 - 1979/240 LIVETIME: 355.8s

ROLL ANGLE: 59.1°

NH: 1.3E+21 REF/ID:

FIELD FLAGS:



3CR 298 (QSO 1416+067) QUASAR SURVEY

FIELD CENTER: 14^h16^m39.1^s 06°42′20″ (B1950) 14^h19^m08.5^s 06°28′34″ (J2000)

 $14^{h}19^{m}08.5^{s}$ $06^{o}28'34''$ (J2000) LIVETIM ℓ : 352.16 b: 60.67 ROLL AN

DATE: 1979/ 24 - 1979/ 24

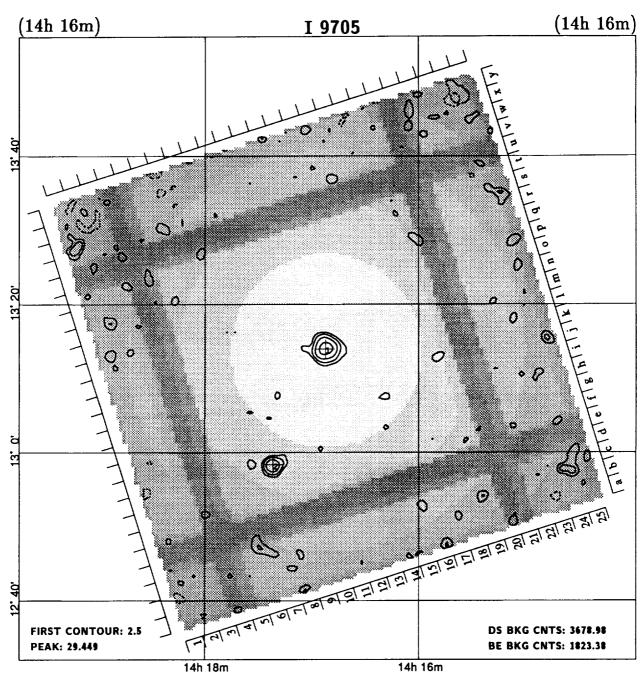
LIVETIME: 2081.6s

ROLL ANGLE: -109.1°

ROLL ANGLE: -109.1°

ROLL ANGLE: -109.1°

ĺ	CAT	FLD	RA	DEC	±	COUNT	±	NET	BKG	S/N	SIZE	RECO	R'	SRC	ID
l	#	#	(1950)	(1950)	"	RATE		CTS	CTS		COR			FLG	
[3240	1	14 16 39.8	06 42 37	35	0.0255	0.0045	39.5	9.5	5.6	0.9	0	0.6	Н	Q

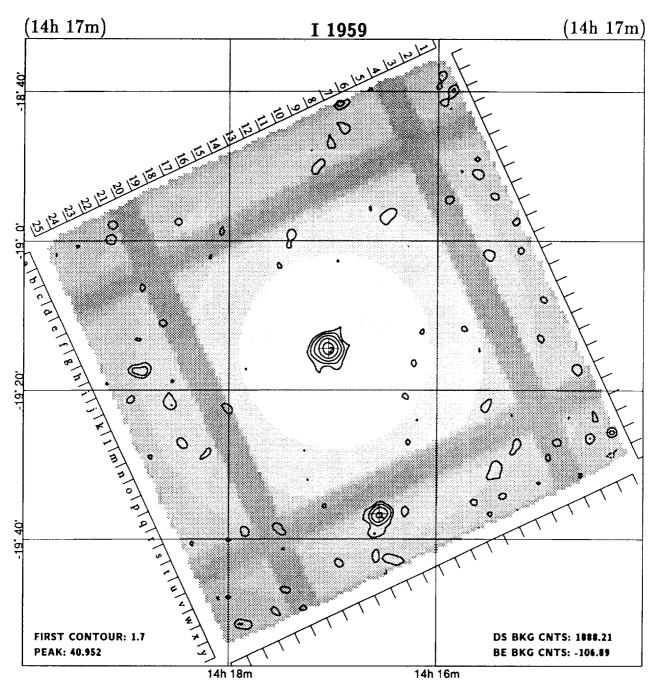


FO-G5 STARS: HR 5365

FIELD CENTER: $14^{h}16^{m}51.0^{s}$ $13^{o}14'02''$ (B1950) $14^{h}19^{m}15.9^{s}$ $13^{o}00'17''$ (J2000) ℓ : 2.76 δ : 65.08

DATE: 1981/ 26 - 1981/ 26 LIVETIME: 2981.2s ROLL ANGLE: -107.4° NH: 1.6E+20 REF/ID: FIELD FLAGS: L

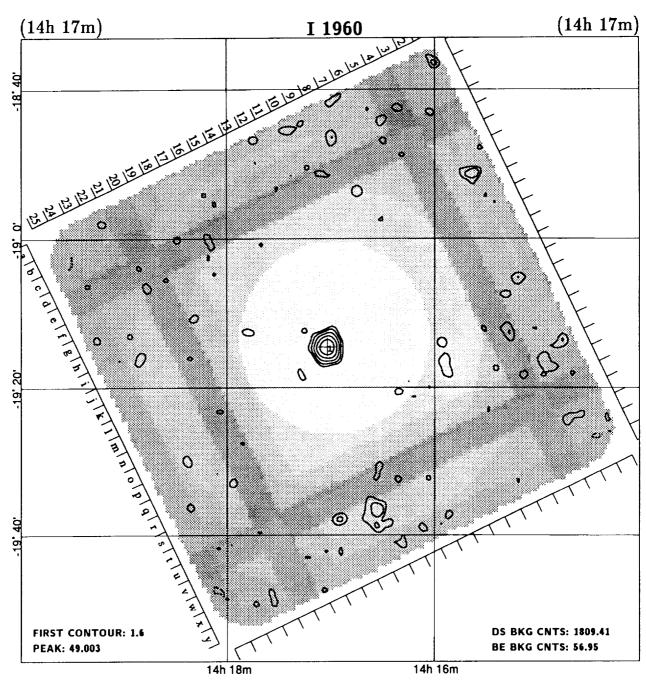
CAT	FLD	RA	DEC	±	COUNT	±	NET	BKG	S/N	SIZE	RECO	R'	SRC	ID
#	#	(1950)	(1950)	"	RATE		стѕ	CTS		COR			FLG	ļ
3242	1L	14 16 52.4	13 13 58	31	0.0488	0.0062	108.5	33.5	7.7	1.2	0	0.2		S
3247	2L	14 17 21.8	12 58 20	50	0.0278	0.0053	46.3	11.7	5.1	1.1	0	17.3		



PKS 1417-19: SEYFERT AND N-TYPE GALAXIES

FIELD CENTER: $14^{h}17^{m}00.0^{s}$ -19°14′59″ (B1950) $14^{h}19^{m}47.1^{s}$ -19°28′44″ (J2000) ℓ : 329.95 b: 38.71 DATE: 1979/203 - 1979/203 LIVETIME: 1530.1s ROLL ANGLE: 65.0° NH: 7.5E+20 REF/ID: FIELD FLAGS: C

CAT	FLD	RA	DEC	±	COUNT	±	NET	BKG	S/N	SIZE	RECO	R'	SRC	D
#	#	(1950)	(1950)	"	RATE		стѕ	CTS		COR			FLG	
3239	1	14 16 32.7	-19 36 35	50	*0.0453	0.0083	32.4	2.6	5.5	1.1	502	22.6	Н	
3244	2	14 17 02.5	-19 14 25	31	0.136	0.011	155.2	4.8	12.3	1.2	0	0.9	AH	



PKS 1417-19: SEYFERT AND N-TYPE GALAXIES

FIELD CENTER: 14h17m00.0s -19014'59" (B1950) 14h19m47.1s -19°28'44" (J2000)

ℓ: 329.95 b: 38.71

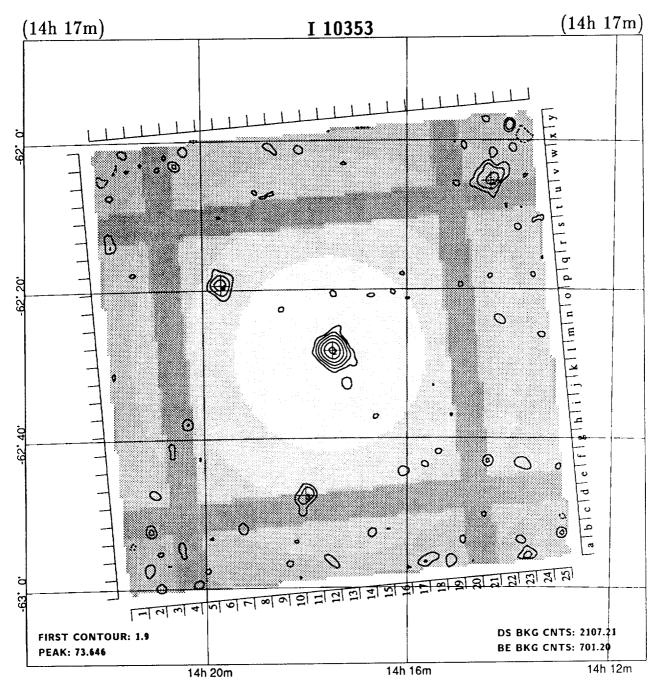
DATE: 1979/211 - 1979/211 LIVETIME: 1466.2s

ROLL ANGLE: 64.3°

NH: 7.5E+20 REF/ID:

FIELD FLAGS: C

CAT	FLD	RA	DEC	±	COUNT	±	NET	BKG	S/N	SIZE	RECO	R'	SRC	ID
#	#	(1950)	(1950)	"	RATE		CTS	CTS		COR			FLG	
3244	1	14 17 02.0	-19 14 33	31	0.177	0.013	193.3	4.7	13.7	1.1	0	0.8	AH	

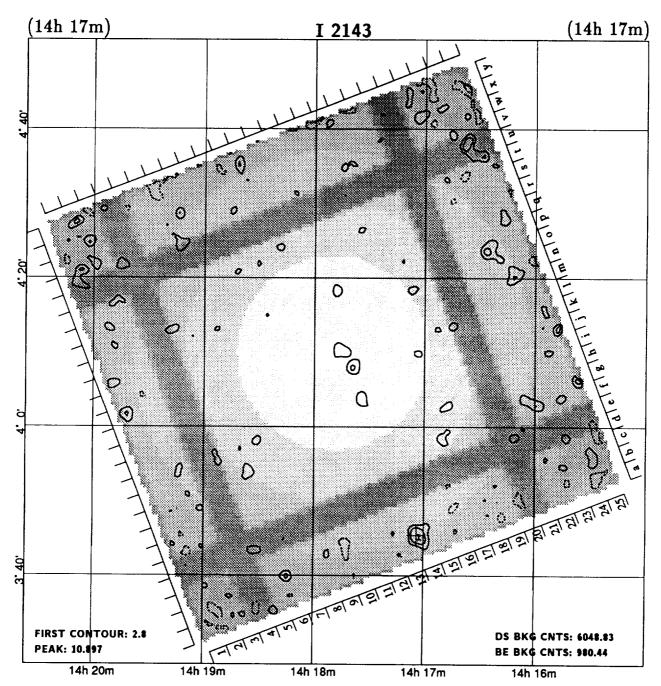


251417-624

FIELD CENTER: $14^{h}17^{m}25.9^{s}$ $-62^{o}28'15''$ (B1950) $14^{h}21^{m}13.2^{s}$ $-62^{o}41'58''$ (J2000) ℓ : 313.02 ℓ : -1.60

DATE: 1981/ 16 - 1981/ 16 LIVETIME: 1707.5s ROLL ANGLE: -94.8° NH: 1.2E+21 REF/ID: FIELD FLAGS:

CAT	FLD	RA	DEC	±	COUNT	±	NET	BKG	S/N	SIZE	RECO	R'	SRC	١D
#	#	(1950)	(1950)	"	RATE		CTS	CTS		COR			FLG	
3225	1	14 14 22.6	-62 05 22	56	*0.0329	0.0083	17.8	2.2	4.0	1.6	906	30.6	AH	
3248	2	14 17 27.6	-62 28 08	31	0.217	0.013	275.7	7.3	16.4	1.2	0	0.4	Н	Р
3250	3	14 18 00.5	-62 47 35	55	*0.0213	0.0052	19.1	2.9	4.1	1.0	906	19.8	Н	
3254	4	14 19 38.5	-62 19 25	51	0.0346	0.0066	32.5	5.5	5.3	1.0	0	17.8	Н	



X-RAY SURVEY OF NORMAL GALAXIES: NGC5566

FIELD CENTER: 14^h17^m48.0^s 04°09'59" (B1950) 14^h20^m19.0^s 03°56'16" (J2000)

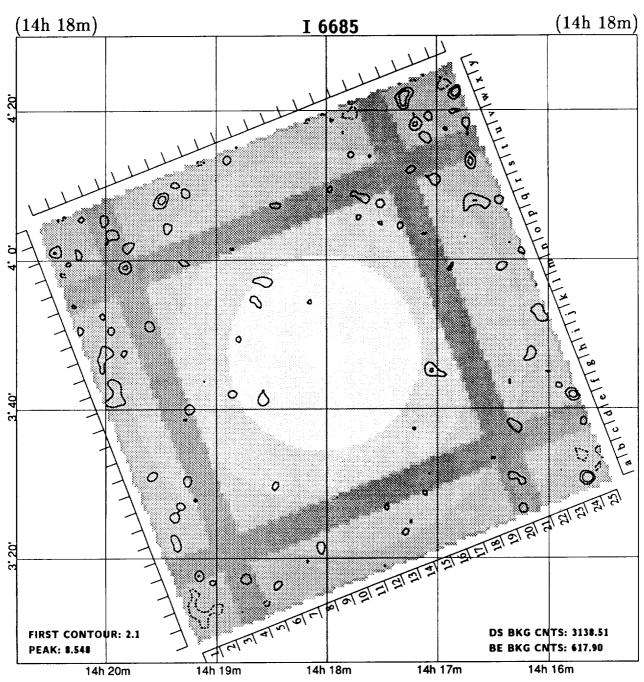
l: 349.27 b: 58.57

DATE: 1980/ 18 - 1980/ 18 LIVETIME: 4901.6s

ROLL ANGLE: -111.1°

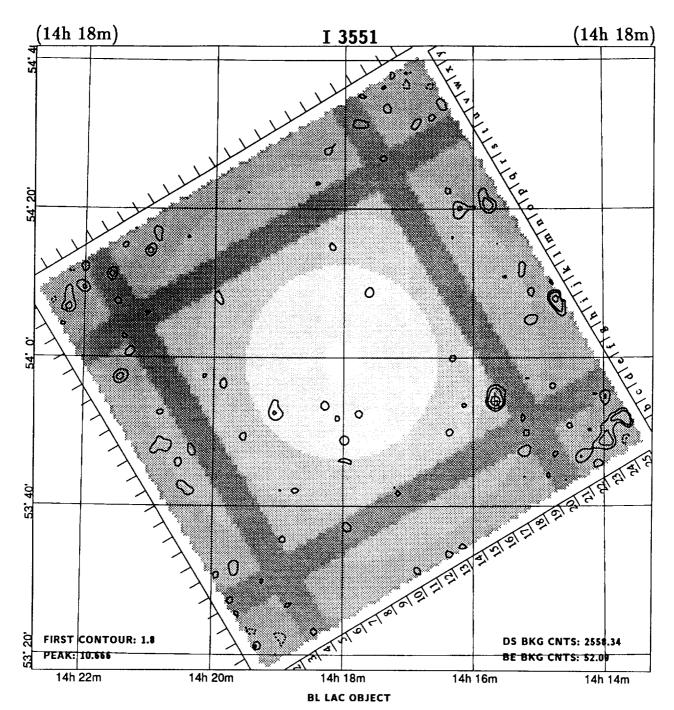
NH: 2.3E+20 REF/ID: FIELD FLAGS:

CAT #	FLD #	RA (1950)	DEC (1950)	± "	COUNT	±	NET CTS	BKG CTS	S/N	SIZE	RECO	R'	SRC FLG	ID
3245	1	14 17 03.8	03 45 21	55	0.0115	0.0030	22.3	11.7	3.8	0.9	0	26.8	Н	



GROUPS OF GALAXIES: TG 87

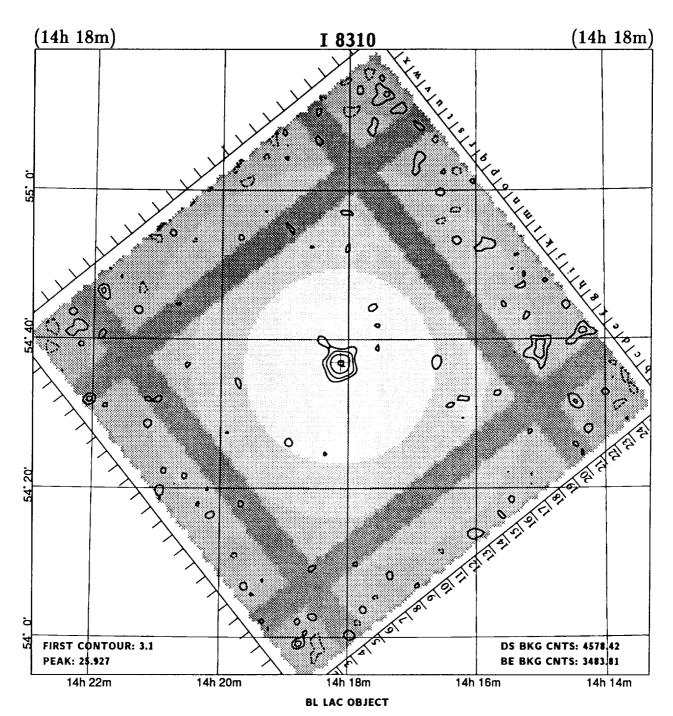
FIELD CENTER: $14^h 18^m 00.0^s 03^o 47' 59''$ (B1950) $14^h 20^m 31.3^s 03^o 34' 17''$ (J2000) ℓ : 348.90 b: 58.26 DATE: 1980/ 17 - 1980/ 17 LIVETIME: 2543.2s ROLL ANGLE: -111.2° NH: 2.4E+20 REF/ID: FIELD FLAGS:



FIELD CENTER: $14^h 18^m 00.0^s 53^o 59' 59''$ (B1950) $14^h 19^m 41.6^s 53^o 46' 16''$ (J2000) ℓ : 97.56 b: 58.79

DATE: 1980/ 2 - 1980/ 2 LIVETIME: 2073.14 ROLL ANGLE: -121.1° NH: 1.2E+20 REF/ID: FIELD FLAGS:

CAT	FLD	RA	DEC	±	COUNT	±	NET	BKG	S/N	SIZE	RECO	R'	SRC	D
#	#	(1950)	(1950)	"	RATE		CTS	CTS		COR			FLG	
3234	1	14 15 40.3	53 54 08	51	*0.0189	0.0048	19.1	4.9	3.9	0.9	601	21.4	Н	



FIELD CENTER: 14^h18^m06.7^s 54°36′56" (B1950) 14^h19^m47.1^s 54°23'13" (J2000)

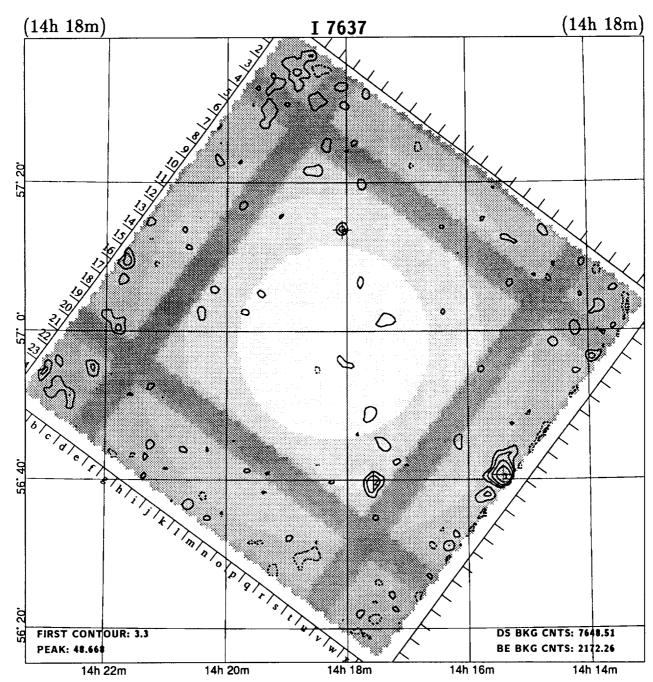
ℓ: 98.30 b: 58.31

DATE: 1980/356 - 1980/356 LIVETIME: 3710.1s

LIVETIME: 3710.1s REF/ID: ROLL ANGLE: -128.7° FIELD FLAGS: L

NH: 1.3E+20

-	CAT	FLD	RA	DEC	±	COUNT	±	NET	BKG	S/N	SIZE	RECO	R'	SRC	ID
1	#	#	(1950)	(1950)	"	RATE		CTS	CTS		COR			FLG	ļ
	3253	1L	14 18 07.5	54 36 59	31	0.0333	0.0051	92.0	46.0	6.4	1.3	0	0.2		

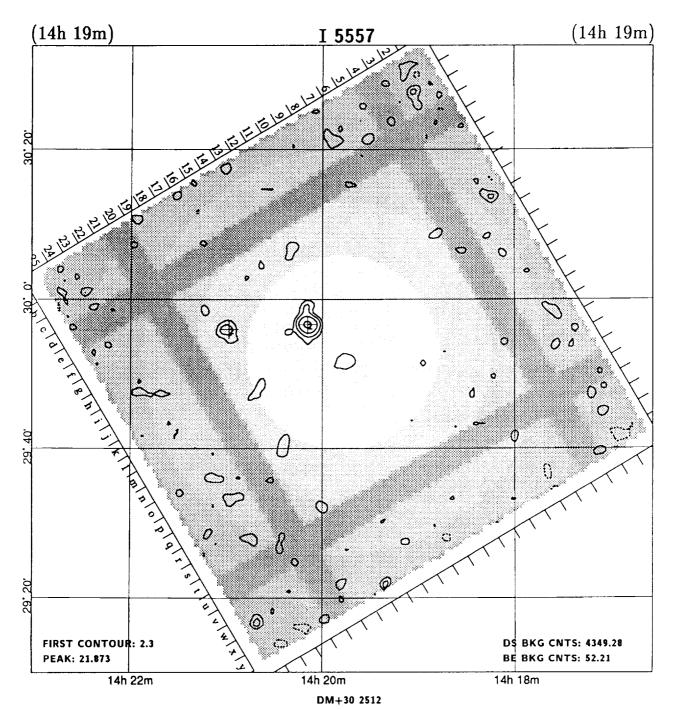


NGC 5585,DWARF GAL OF M101 GROUP

FIELD CENTER: $14^{h}18^{m}12.0^{s}$ $56^{o}57'29''$ (B1950) $14^{h}19^{m}47.4^{s}$ $56^{o}43'46''$ (J2000) ℓ : 101.00 δ : 56.48

DATE: 1980/154 - 1980/155 LIVETIME: 6197.9s ROLL ANGLE: 36.8° NH: 1.4E+20 REF/ID: FIELD FLAGS:

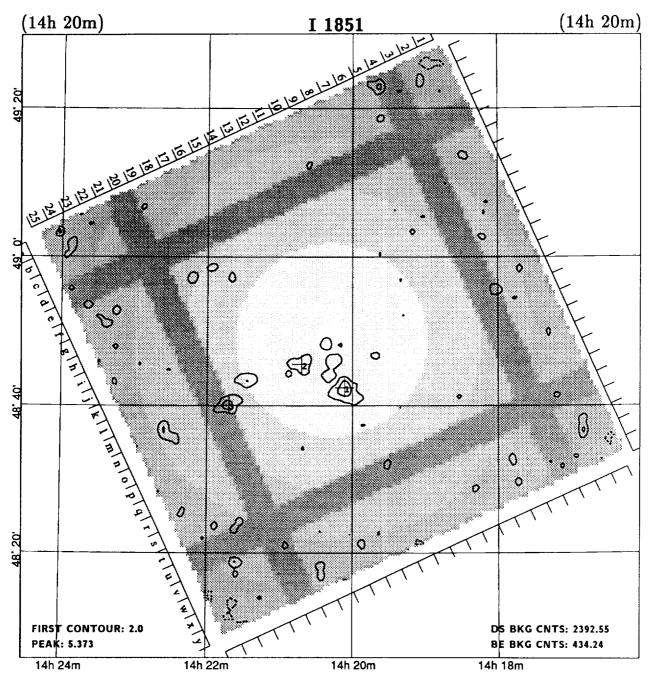
CAT	FLD	RA	DEC	±	COUNT	±	NET	BKG	S/N	SIZE	RECO	R'	SRC	ID
#	#	(1950)	(1950)	"	RATE		CTS	CTS		COR			FLG	
3231	1	14 15 25.9	56 40 35	48	*0.0475	0.0052	98.3	18.7	9.1	1.1	501	28.2	EH	
3249	2	14 17 34.2	56 39 52	51	0.0090	0.0021	29.0	19.0	4.2	0.9	200	18.4	н	
3251	3L	14 18 04.7	57 13 40	52	0.0076	0.0020	27.7	10.3	3.7	0.6	0	16.2		



FIELD CENTER: $14^{h}19^{m}48.0^{s}$ $29^{\circ}51'59''$ (B1950) $14^{h}21^{m}59.7^{s}$ $29^{\circ}38'21''$ (J2000) ℓ : 45.46 b: 69.96

DATE: 1980/180 - 1980/180 LIVETIME: 3524.4s ROLL ANGLE: 59.3° NH: 1.3E+20 REF/ID: FIELD FLAGS:

CAT	FLD	RA	DEC	±	COUNT	±	NET	BKG	S/N	SIZE	RECO	R'	SRC	D
#	#	(1950)	(1950)	"	RATE		CTS	CTS		COR			FLG	
3256	1	14 20 09.2	29 56 36	38	0.0339	0.0039	84.0	11.0	8.6	1.2	0	6.4	Н	
3258	2	14 20 58.6	29 55 59	55	0.0100	0.0026	20.5	7.5	3.9	0.9	0	16.3	н	

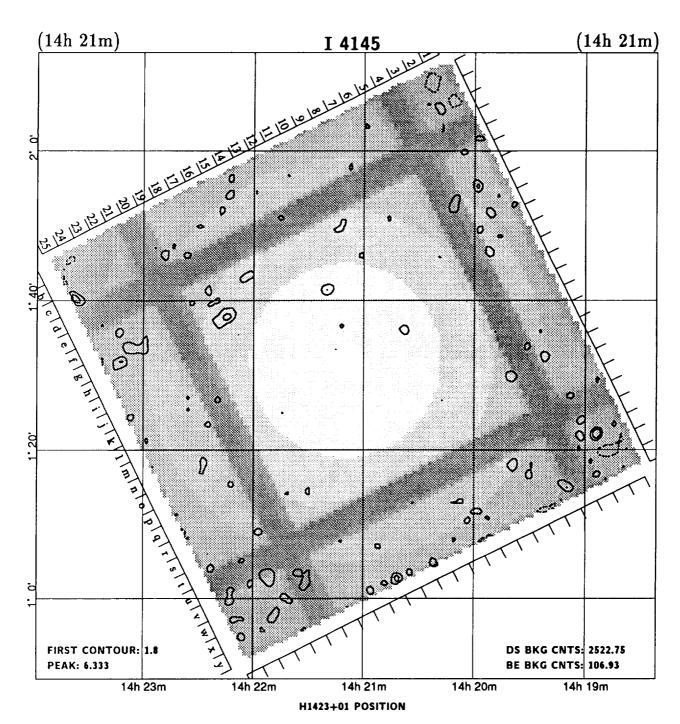


X-RAY STUDY OF CLUSTERS OF GALAXIES: A1904

FIELD CENTER: $14^{h}20^{m}18.0^{s}48^{o}47'59''$ (B1950) $14^{h}22^{m}07.8^{s}48^{o}34'22''$ (J2000) ℓ : 89.67 b: 62.28

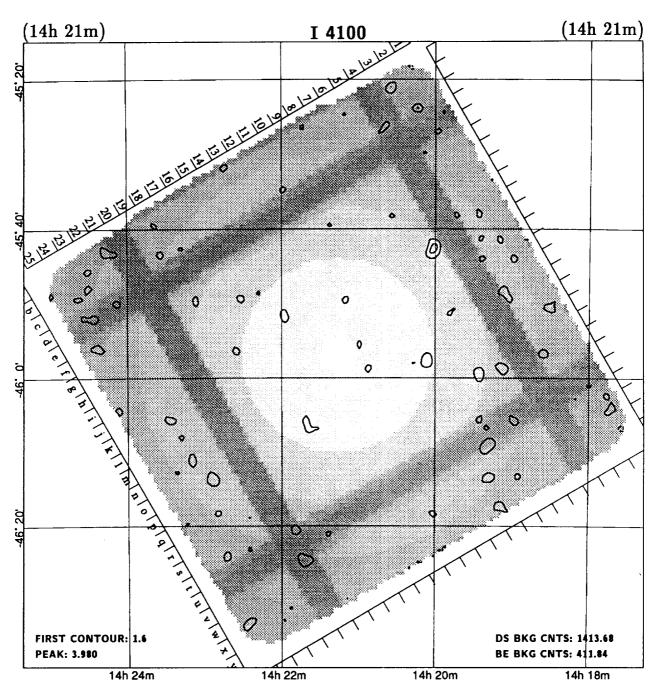
DATE: 1979/193 - 1979/193 LIVETIME: 1938.86 ROLL ANGLE: 65.3° NH: 1.8E+20 REF/ID: ! FIELD FLAGS:

CAT	FLD	RA	DEC	±	COUNT	±	NET	BKG	S/N	SIZE	RECO	R'	SRC	ID
#	#	(1950)	(1950)	"	RATE		CTS	CTS		COR			FLG	
3255	1	14 20 06.5	48 42 27	43	0.0161	0.0040	21.8	7.2	4.1	1.4	0	5.5	Н	
3257	2	14 20 42.1	48 45 35	47	0.0150	0.0038	20.7	7.3	3.9	0.9	0	5.1	н	
3260	3	14 21 41.9	48 40 04	56	*0.0165	0.0043	18.1	3.9	3.9	0.9	905	15.8	н	



FIELD CENTER: $14^{h}21^{m}09.6^{s}$ $01^{\circ}31'11''$ (B1950) $14^{h}23^{m}42.4^{s}$ $01^{\circ}17'37''$ (J2000) ℓ : 347.38 b: 55.99

DATE: 1980/193 - 1980/193 LIVETIME: 2044.34 ROLL ANGLE: 63.7° NH: 2.8E+20 REF/ID: FIELD FLAGS:



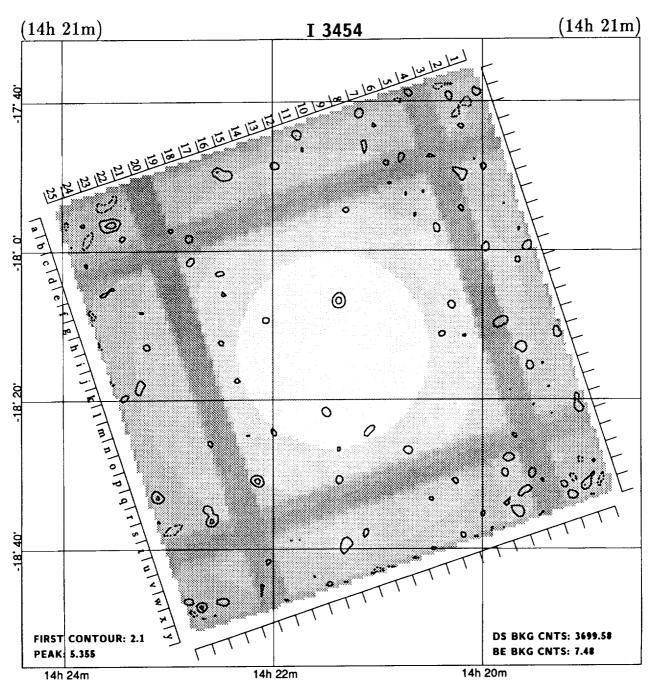
H1409-45 POSITION

FIELD CENTER: 14h21m19.0s -45°56'59" (B1950) 14^h24^m33.2^s -46°10'33" (J2000)

ℓ: 319.29 b: 13.72

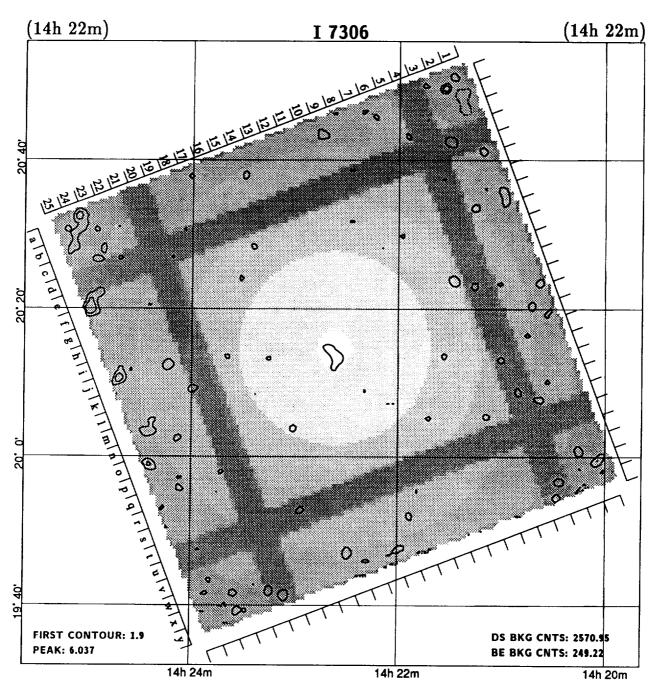
DATE: 1979/240 - 1979/240 LIVETIME: 1145.6. ROLL ANGLE: 60.0°

NH: 1.4E+21 REF/ID: FIELD FLAGS:



627, SOUTHERN CLUSTER AT HIGH REDSHIFT

FIELD CENTER: $14^{h}21^{m}27.0^{s}$ -18°13'41" (B1950) $14^{h}24^{m}13.7^{s}$ -18°27'15" (J2000) ℓ : 331.74 b: 39.17 DATE: 1979/203 - 1979/203 LIVETIME: 2997.9¢ ROLL ANGLE: 71.7° NH: 7.4E+20 REF/ID: FIELD FLAGS:



1422+20, LOW FREQ. VAR. EXTRAGAL. RADIO SOURCE

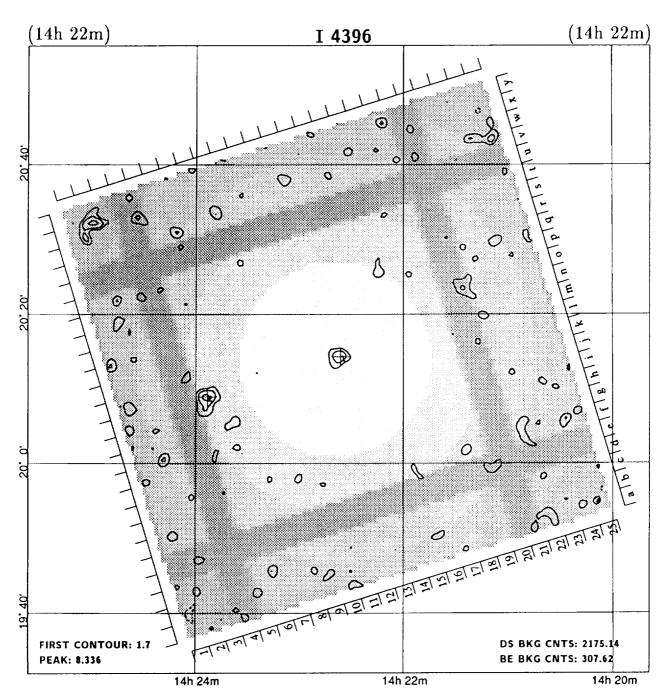
FIELD CENTER: 14^h22^m37.6^s 20°13'54" (B1950) 14^h24^m57.0^s 20°00'23" (J2000)

ℓ: 19.53 b: 67.46

DATE: 1980/190 - 1980/190 LIVETIME: 2083.3₆ ROLL ANGLE: 69.2°

REF/ID: FIELD FLAGS:

NH: 2.6E+20

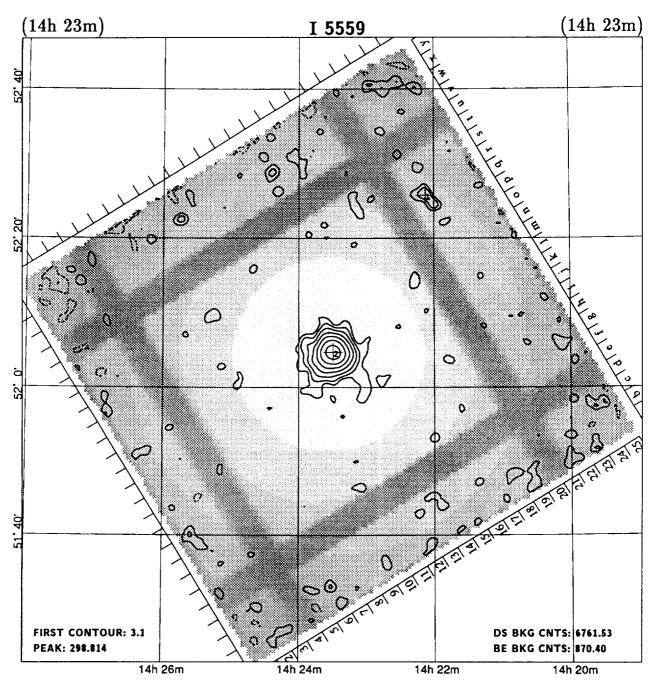


QUASAR 1422+202

FIELD CENTER: $14^{h}22^{m}37.6^{s}$ $20^{o}13'56''$ (B1950) $14^{h}24^{m}57.0^{s}$ $20^{o}00'25''$ (J2000) ℓ : 19.54 ℓ : 67.46

DATE: 1980/ 20 - 1980/ 20 LIVETIME: 1762.6s ROLL ANGLE: -106.9° NH: 2.6E+20 REF/ID: FIELD FLAGS:

CAT	FLD	RA	DEC	±	COUNT	±	NET	BKG	S/N	SIZE	RECO	R'	SRC	ΙĐ
#	#	(1950)	(1950)	"	RATE		CTS	CTS		COR			FLG	
3262	1	14 22 36.2	20 14 18	36	0.0187	0.0042	24.6	6.4	4.4	8.0	0	0.4	Н	Q
3267	2	14 23 53.3	20 08 56	52	0.0215	0.0051	20.5	3.5	4.2	1.1	500	18.4		

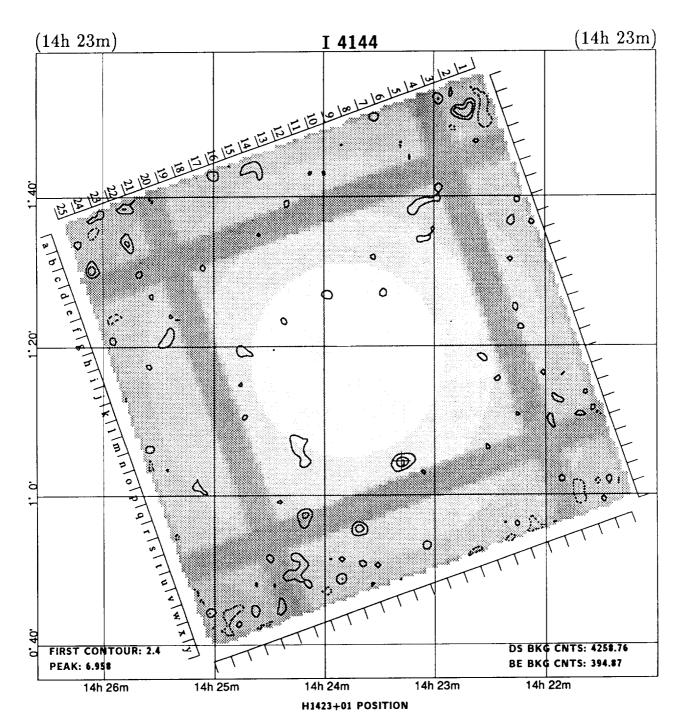


Theta BOO

FIELD CENTER: $14^h 23^m 30.0^s 52^o 04'59''$ (B1950) $14^h 25^m 13.4^s 51^o 51'30''$ (J2000) ℓ : 93.84 δ : 59.64

DATE: 1980/ 2 - 1980/ 3 LIVETIME: 5479.1s ROLL ANGLE: -121.5° NH: 1.3E+20 REF/ID: FIELD FLAGS:

	CAT	FLD	RA	DEC	±	COUNT	±	NET	BKG	S/N	SIZE	RECO	R'	SRC	ID
L	#	#	(1950)	(1950)	"	RATE		CTS	CTS		COR			FLG	
Γ	3261	1	14 22 07.5	52 25 45	55	0.0084	0.0024	19.7	11.3	3.5	1.0	300	24.0	н	
L	3265	2	14 23 29.6	52 04 41	31	0.3368	0.0091	1375.5	19.5	36.8	1.7	0	0.2	н	S



FIELD CENTER: 14h23m48.0 01017'23" (B1950) 14h26m20.9' 01°03'55" (J2000)

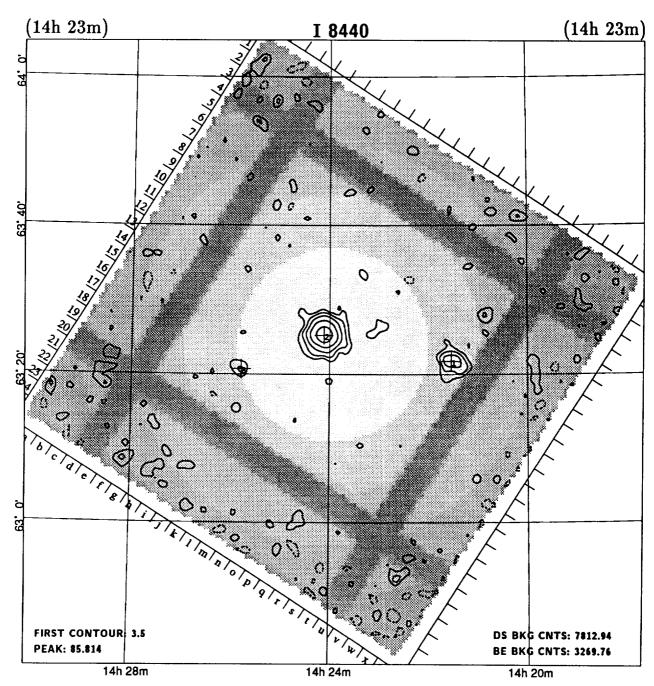
ℓ: 348.04 b: 55.40

DATE: 1979/206 - 1979/211 LIVETIME: 3451.0s

REF/ID: FIELD FLAGS: ROLL ANGLE: 70.7°

NH: 2.8E+20

CAT	FLD	RA	DEC	±	COUNT	±	NET	BKG	S/N	SIZE	RECO	R'	SRC	ID
#	#	(1950)	(1950)	"	RATE		CTS	CTS		COR			FLG	
3264	1	14 23 18.1	01 04 30	46	0.0113	0.0028	22.7	9.3	4.0	0.8	100	14.8	н	



A 1918, CD GALAXIES IN RICH CLUSTERS

FIELD CENTER: 14^h23^m54.0^s 63°22'59" (B1950) 14^h25^m09.5^s 63°09'30" (J2000)

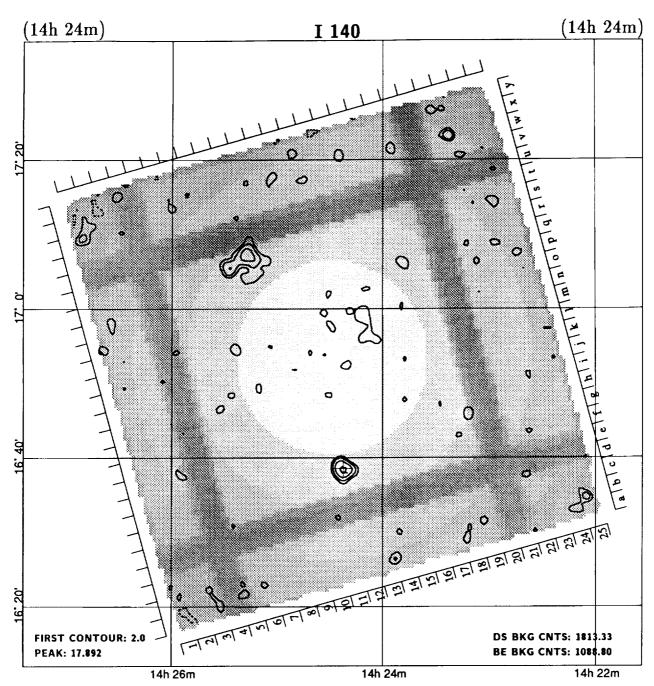
ℓ: 106.41 *b*: 50.86

DATE: 1980/155 - 1980/155 LIVETIME: 6331.2s

ROLL ANGLE: 32.6°

NH: 1.7E+20 REF/ID: FIELD FLAGS:

CAT	FLD	RA	DEC	±	COUNT	±	NET	BKG	S/N	SIZE	RECO	R'	SRC	ID
#	#	(1950)	(1950)	"	RATE		CTS	CTS		COR			FLG	
3259	1	14 21 32.2	63 21 43	49	0.0237	0.0029	85.6	24.4	8.2	1.3	0	15.9	Н	
3268	2	14 24 07.0	63 25 15	31	0.0877	0.0045	409.7	29.3	19.6	1.8	0	2.7	н	
3276	3	14 25 47.3	63 20 42	45	0.0077	0.0019	30.6	23.4	4.2	0.6	0	13.1		

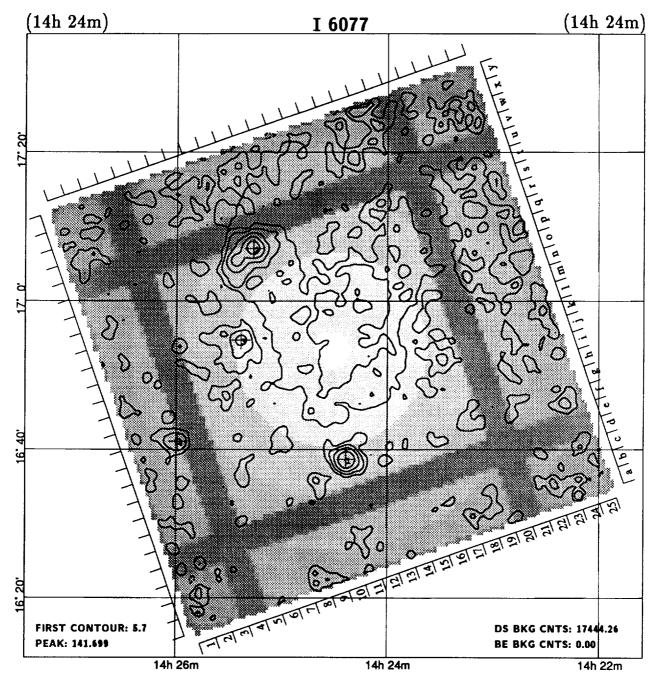


A1913 CLUSTER SURFACE BRIGHTNESS

FIELD CENTER: $14^{h}24^{m}28.8^{s}$ $16^{o}53'59''$ (B1950) $14^{h}26^{m}50.6^{s}$ $16^{o}40'33''$ (J2000) ℓ : 12.52 ℓ : 65.59

DATE: 1979/ 30 - 1979/ 30 LIVETIME: 1469.4s ROLL ANGLE: -105.4° NH: 1.6E+20 REF/ID: FIELD FLAGS: LS

CA	T FLD	RA	DEC	±	COUNT	±	NET	BKG	S/N	SIZE	RECO	R'	SRC	ΙD
#	#	(1950)	(1950)	"	RATE		CTS	CTS		COR			FLG	
326	9 1L	14 24 22.3	16 38 33	50	0.064	0.010	55.7	4.3	6.3	1.0	0	15.4	Α	S



A1913, DETAILED STUDY OF CLUSTER EXTENTS

FIELD CENTER: 14h24m30.0 16°53'59" (B1950) 14h26m51.8s 16°40'33" (J2000)

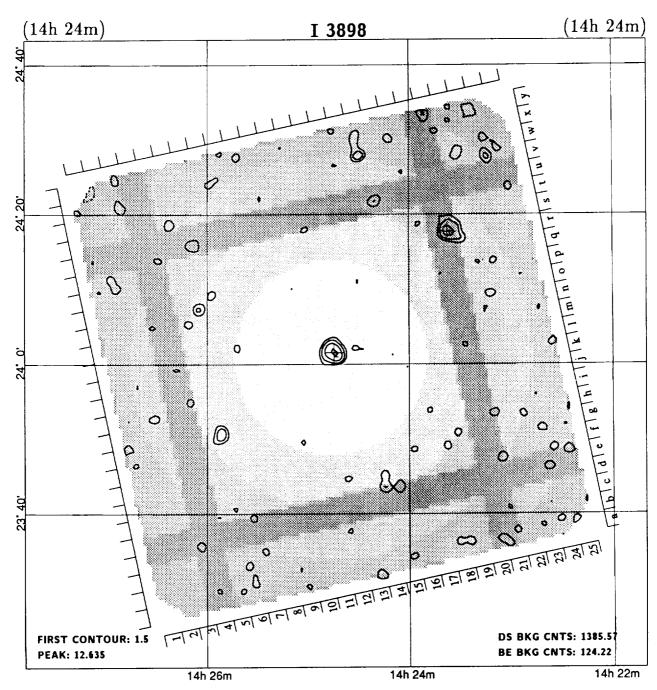
ℓ: 12.53 b: 65.58

DATE: 1980/ 22 - 1980/ 24 LIVETIME: 14135.7s

ROLL ANGLE: -109.1°

NH: 1.6E+20 REF/ID: ! FIELD FLAGS: L

CAT	FLD	RA	DEC	±	COUNT	±	NET	BKG	S/N	SIZE	RECO	R'	SRC	D
#	#	(1950)	(1950)	"	RATE		CTS	CTS		COR			FLG	
3269	1L	14 24 23.4	16 38 40	47	0.0324	0.0026	271.9	73.1	12.5	1.3	0	15.4	Α	S
3272	2L	14 25 16.5	17 07 05	47	*0.0427	0.0038	334.0	135.3	11.1	8.4	702	17.2		
3274	3L	14 25 23.4	16 54 44	41	0.0080	0.0016	71.9	71.1	4.8	2.4	0	12.9		
3277	4L	14 25 59.1	16 41 05	55	*0.0104	0.0027	64.9	41.3	3.7	1.2	804	24.9		

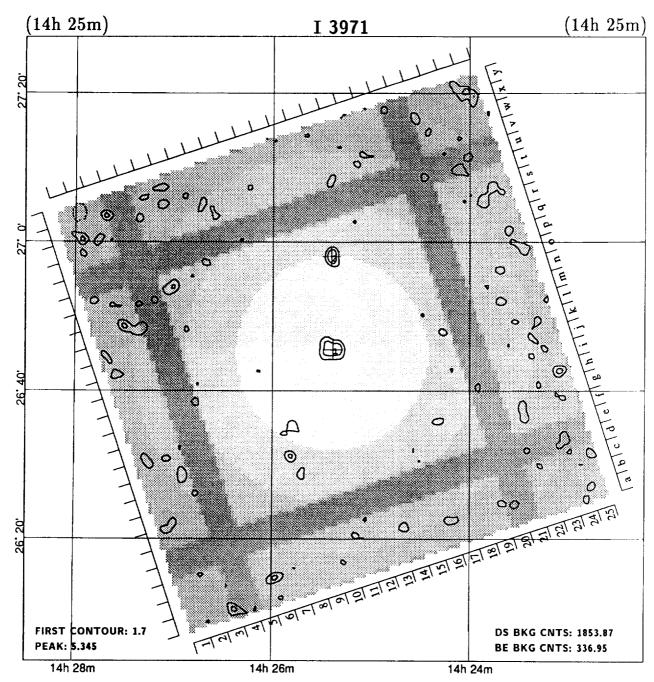


1424+240, BL-LAC OBJECT

FIELD CENTER: $14^{h}24^{m}44.2^{s}$ $24^{o}01'25''$ (B1950) $14^{h}27^{m}00.3^{s}$ $23^{o}48'00''$ (J2000) ℓ : 29.49 b: 68.21

DATE: 1980/ 23 - 1980/ 23 LIVETIME: 1122.8¢ ROLL ANGLE: -102.0° NH: 2.5E+20 REF/ID: FIELD FLAGS:

CAT	FLD	RA	DEC	±	COUNT	±	NET	BKG	S/N	SIZE	RECO	R'	SRC	ID
#	#	(1950)	(1950)	"	RATE		стѕ	CTS		COR			FLG	
3266	1	14 23 37.2	24 17 42	52	*0.0375	0.0088	19.5	1.5	4.2	1.1	1209	22.5	Н	
3271	2	14 24 44.7	24 01 34	35	0.0672	0.0093	56.2	3.8	7.3	1.0	0	0.6	Н	BL

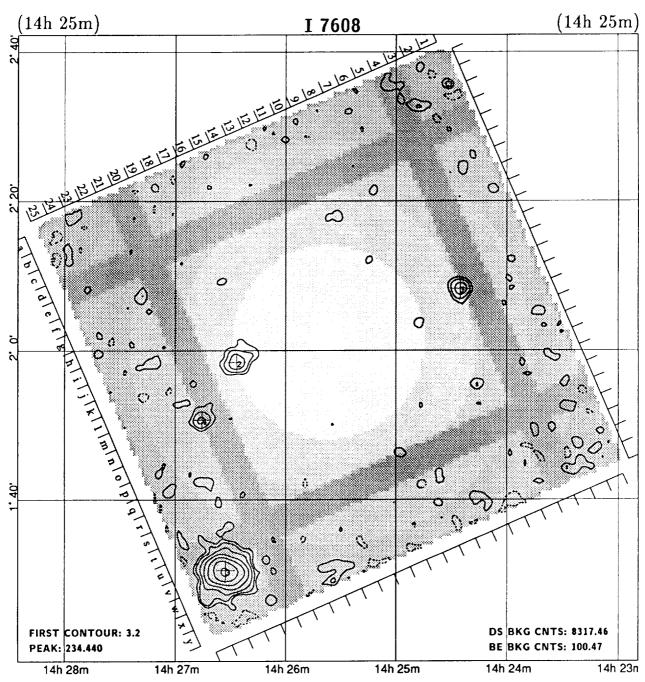


1425+267, BRIGHT NEARBY QUASAR

FIELD CENTER: $14^{h}25^{m}21.9^{s}$ $26^{\circ}45'38''$ (B1950) $14^{h}27^{m}35.6^{s}$ $26^{\circ}32'14''$ (J2000) ℓ : 36.87 b: 68.57

DATE: 1980/ 23 - 1980/ 23 LIVETIME: 1502.2s ROLL ANGLE: -108.3° NH: 1.9E+20 REF/ID: FIELD FLAGS:

CAT	FLD	RA	DEC	±	COUNT	±	NET	BKG	S/N	SIZE	RECO	R'	SRC	ID
#	#	(1950)	(1950)	"	RATE		CTS	CTS		COR			FLG	
3273	1	14 25 23.2	26 45 36	36	0.0265	0.0053	29.6	5.4	5.0	1.0	0	0.2	Н	Q
3275	2	14 25 24.4	26 58 03	46	0.0176	0.0049	16.5	4.5	3.6	0.7	0	12.7		

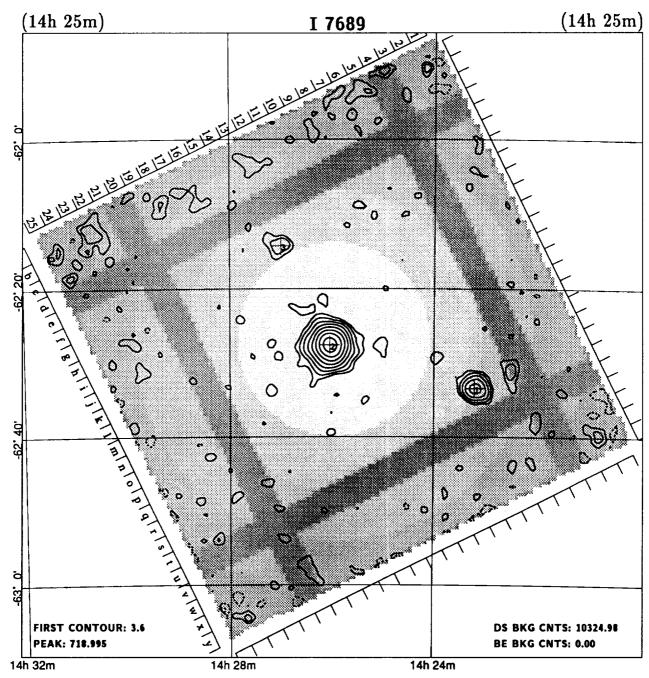


EMPTY FIELD IN VIRGO (MISPOINT)

FIELD CENTER: $14^{h}25^{m}37.3^{s}$ $02^{\circ}00'17''$ (B1950) $14^{h}28^{m}09.7^{s}$ $01^{\circ}46'54''$ (J2000) ℓ : 349.46 b: 55.66

DATE: 1980/193 - 1980/193 LIVETIME: 6739.9s ROLL ANGLE: 66.6° NH: 2.7E+20 REF/ID: FIELD FLAGS:

	CAT	FLD	RA	DEC	±	COUNT	±	NET	BKG	S/N	SIZE	RECO	R'	SRC	ID
	#	#	(1950)	(1950)	"	RATE		CTS	CTS		COR			FLG	
Ţ	3270	1	14 24 25.1	02 08 16	50	*0.0135	0.0022	47.8	11.2	6.2	0.9	703	19.5	Н	
;	3279	2	14 26 26.7	01 58 25	41	0.0182	0.0023	76.9	17.1	7.9	1.3	0	12.5	AH	
;	3280	3	14 26 32.7	01 30 32	47	*0.218	0.011	428.4	8.6	20.5	1.8	501	32.9	AH	Q
;	3281	4	14 26 45.6	01 50 39	51	*0.0114	0.0020	39.2	9.8	5.6	1.0	907	19.5	Н	



PROX CEN, COORDINATED STUDY OF THE DME FLARE STARS

FIELD CENTER: 14h25m59.0s -62°27'40" (B1950) 14h29m50.2s -62°41'01" (J2000)

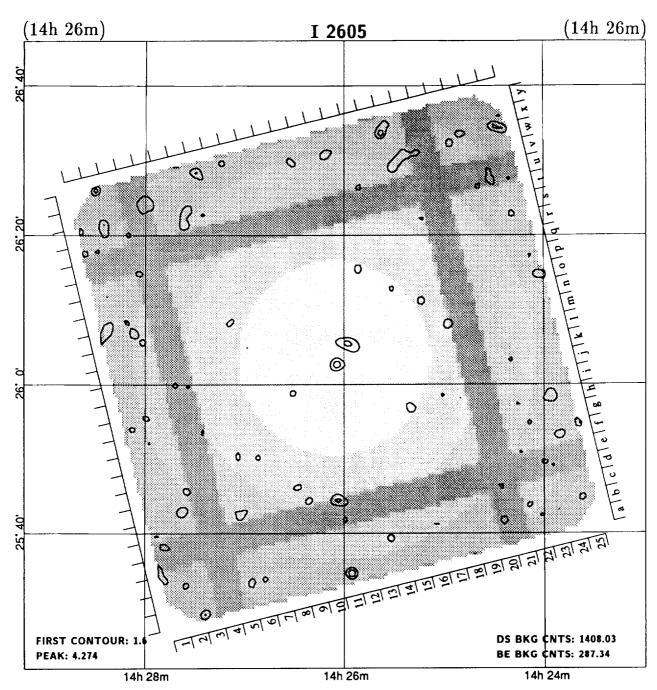
ℓ: 313.95 b: -1.94

DATE: 1980/233 - 1980/233 LIVETIME: 8366.6s

ROLL ANGLE: 63.7°

NH: 1.2E+21 REF/ID: FIELD FLAGS: L

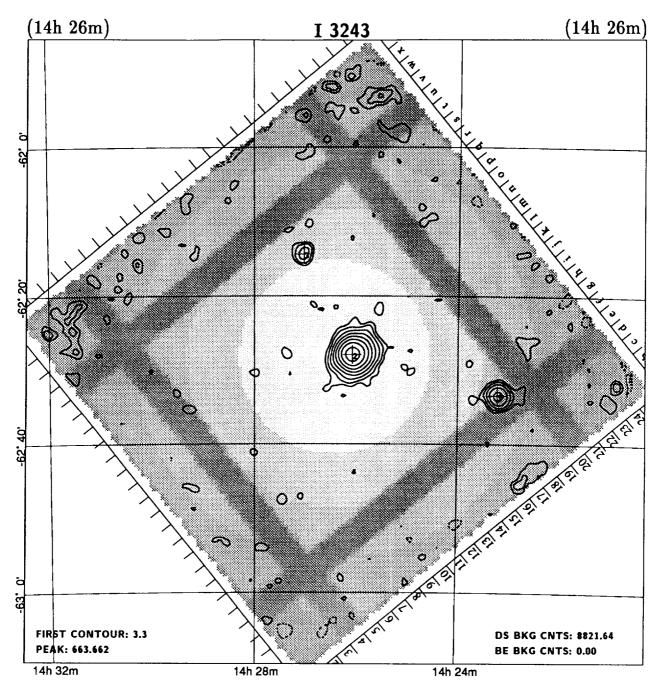
CAT FLD RA DEC COUNT NET BKG S/N SIZE RECO \pm SRC ID FLG (1950)RATE **CTS CTS** COR # (1950)3263 1L 14 23 12.4 -62 33 20 47 0.0495 0.0042 210.8 37.2 11.6 1.1 20.1 S 3278 14 26 02.4 -62 27 32 31 0.436 0.010 2713.8 41.5 0 0.4 S 2L 522.2 1.4 A 0.0020 3283 3L 14 26 59.9 -62 14 14 51 0.0083 41.4 25.6 0 15.2 S 1.1



AWM 3: CD GALAXIES IN POOR CLUSTERS

FIELD CENTER: $14^{h}26^{m}06.0^{s}$ $26^{o}03'59''$ (B1950) $14^{h}28^{m}20.3^{s}$ $25^{o}50'37''$ (J2000) ℓ : 35.06 ℓ : 68.31 DATE: 1980/ 25 - 1980/ 25 LIVETIME: 1141.0s ROLL ANGLE: -103.6°

NH: 1.8E+20 REF/ID: FIELD FLAGS:

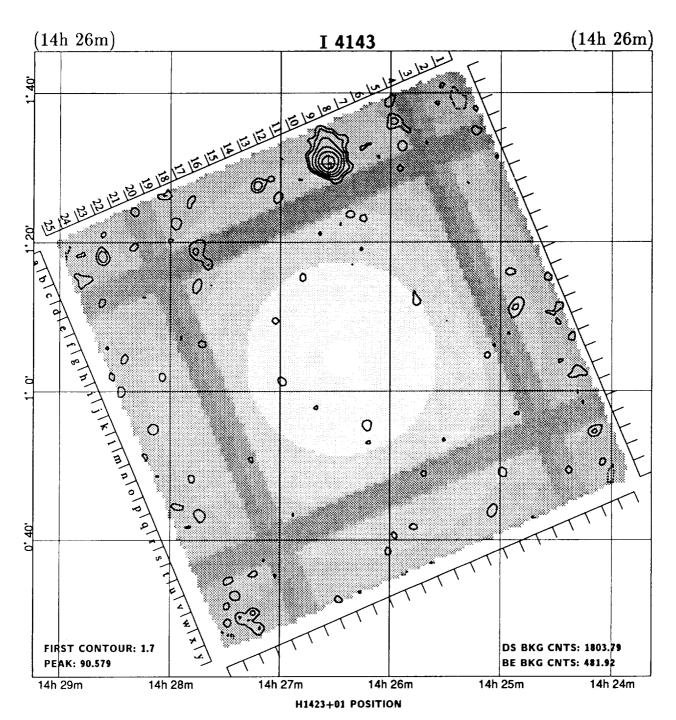


FLARE STARS: PROXIMA CEN

FIELD CENTER: $14^{h}26^{m}24.0^{s}$ -62°27'35" (B1950) $14^{h}30^{m}15.4^{s}$ -62°40'55" (J2000) ℓ : 314.00 b: -1.95 DATE: 1979/ 65 - 1979/ 66 LIVETIME: 7148.56 ROLL ANGLE: -129.2°

NH: 1.2E+21 REF/ID: FIELD FLAGS: L

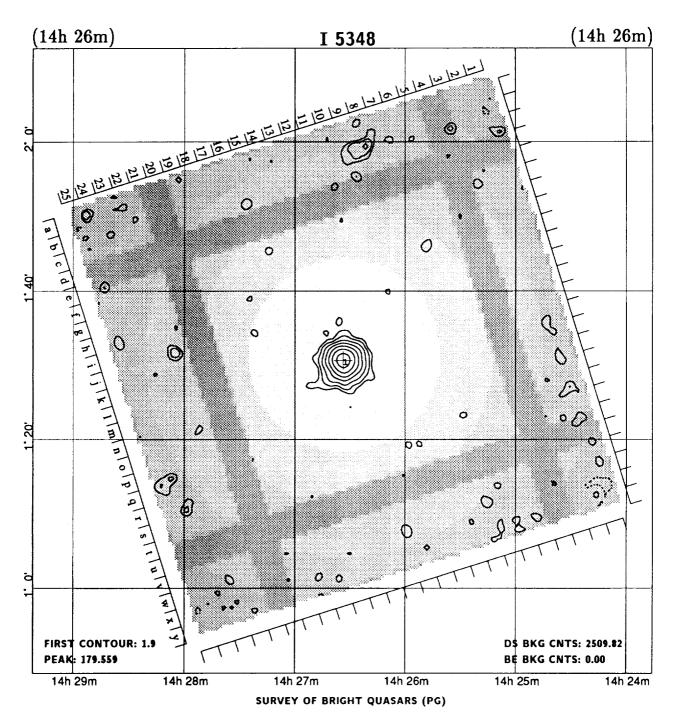
CAT	FLD	RA	DEC	±	COUNT	±	NET	BKG	S/N	SIZE	RECO	R'	SRC	ID
#	#	(1950)	(1950)	"	RATE		CTS	CTS		COR			FLG	
3263	1L	14 23 13.5	-62 33 20	47	*0.0578	0.0067	193.4	19.0	8.5	1.1	904	22.7	A	S
3278	2L	14 26 04.6	-62 27 53	31	0.476	0.012	2502.0	484.0	39.8	1.5	0	2.2	A	S
3283	3L	14 27 01.7	-62 14 23	41	0.0160	0.0024	68.5	13.5	6.5	0.8	0	14.0	А	s



FIELD CENTER: $14^{h}26^{m}26.4^{s}$ $01^{\circ}03'35''$ (B1950) $14^{h}28^{m}59.5^{s}$ $00^{\circ}50'14''$ (J2000) ℓ : 348.68 δ : 54.80

DATE: 1980/193 - 1980/193 LIVETIME: 1461.7¢ ROLL ANGLE: 67.0° NH: 2.9E+20 REF/ID: FIELD FLAGS:

ſ	CAT	FLD	RA	DEC	±	COUNT	±	NET	BKG	S/N	SIZE	RECO	R'	SRC	ID
	#	#	(1950)	(1950)	"	RATE		CTS	CTS		COR			FLG	
ľ	3280	1	14 26 34.1	01 30 26	47	0.331	0.024	198.8	4.2	13.9	1.3	0	27.1	AH	Q



FIELD CENTER: 14h26m33.8 01030'36" (B1950)

14h29m06.6s 01°17'16" (J2000)

ℓ: 349.22 b: 55.13

DATE: 1980/216 - 1980/216 LIVETIME: 2033.8s

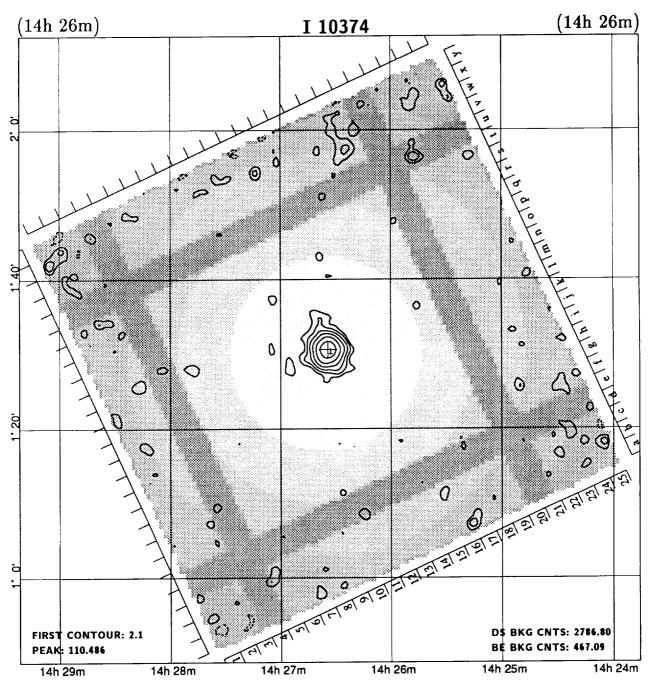
ROLL ANGLE: 72.6°

NH: 2.8E+20

REF/ID:

FIELD FLAGS: CL

FLD RA DEC COUNT SIZE CAT NET BKG S/N RECO SRC ID ± (1950)(1950)RATE CTS CTS COR FLG 3280 1L 14 26 33.7 01 30 37 0.441 0.022 667.1 144.9 20.2 1.5 0 0.1 Q 31 Α



PG 1426+01, SEARCH FOR VARIABILITY IN HIGH COUNT RATE QSOS

FIELD CENTER: 14^h26^m33.8^s 01°30'36" (B1950) 14^h29^m06.6^s 01°17'16" (J2000)

ℓ: 349.22 b: 55.13

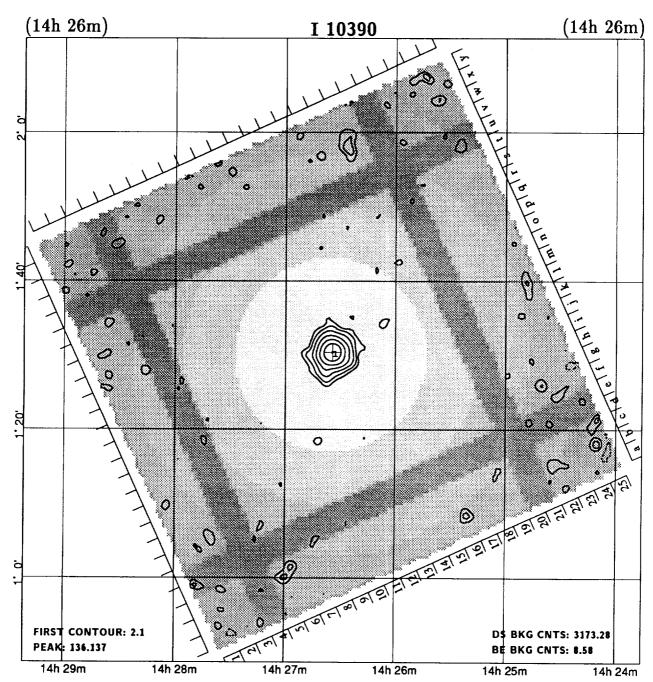
DATE: 1981/ 4 - 1981/ 4 LIVETIME: 2258.3s

ROLL ANGLE: -114.7°

NH: 2.8E+20 REF/ID:

FIELD FLAGS: C

CAT	FLD	RA	DEC	±	COUNT	±	NET	BKG	S/N	SIZE	RECO	R'	SRC	ID
#	#	(1950)	(1950)	"	RATE		CTS	CTS		COR			FLG	
3280	1	14 26 34.2	01 30 34	31	0.303	0.014	508.8	8.2	22.4	1.5	0	0.2	AH	Q



PG 1426+01, SEARCH FOR VARIABILITY IN HIGH COUNT RATE QSOS

FIELD CENTER: 14^h 26^m 33.8^s 01° 30′ 36″ (B1950) 14^h 29^m 06.6^s 01° 17′ 16″ (J2000)

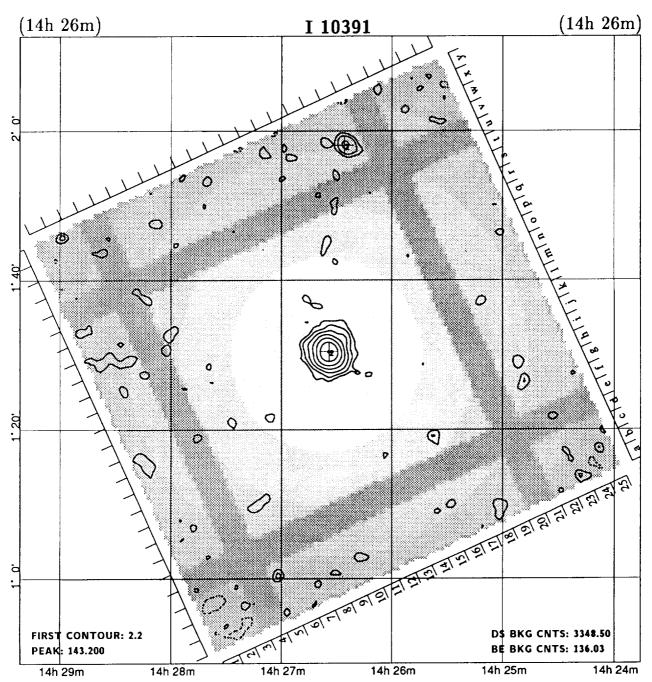
ℓ: 349.22 b: 55.13

DATE: 1981/ 5 - 1981/ 5 LIVETIME: 2571.4s

ROLL ANGLE: -114.5°

NH: 2.8E+20 REF/ID: FIELD FLAGS: C

C	AT	FLD	RA	DEC	±	COUNT	±	NET	BKG	S/N	SIZE	RECO	R'	SRC	ID
-	#	#	(1950)	(1950)	"	RATE		стѕ	CTS		COR			FLG	
32	280	1	14 26 34.2	01 30 25	31	0.317	0.013	607.2	7.8	24.5	1.6	0	0.4	AH	Q



PG 1426+01, SEARCH FOR VARIABILITY IN HIGH COUNT RATE QSOS

FIELD CENTER: 14^h26^m33.8^s 01°30'36" (B1950) 14^h29^m06.6^s 01°17'16" (J2000)

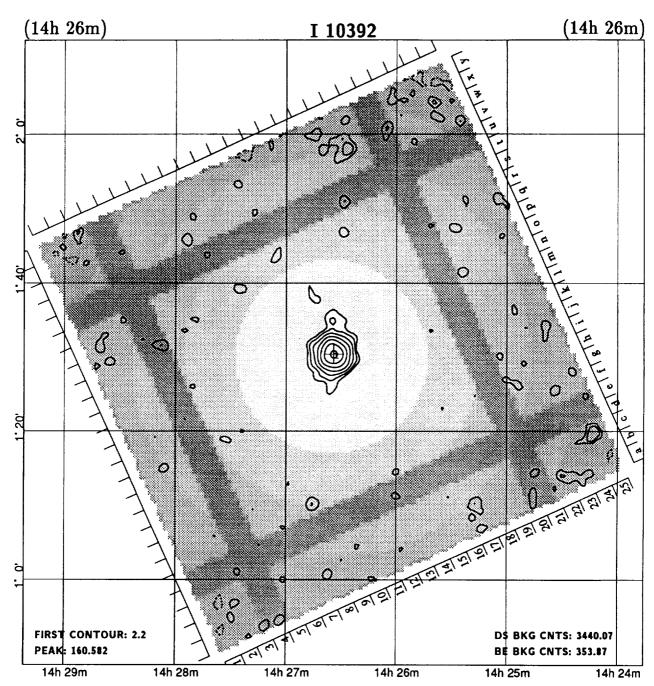
ℓ: 349.22 b: 55.13

DATE: 1981/ 5 - 1981/ 5 LIVETIME: 2713.4e

ROLL ANGLE: -114.5°

NH: 2.8E+20 REF/ID: FIELD FLAGS: C

CAT	FLD	RA	DEC	±	COUNT	±	NET	BKG	S/N	SIZE	RECO	R'	SRC	ID
#	#	(1950)	(1950)	"	RATE		CTS	CTS		COR			FLG	
3279	1	14 26 25.8	01 58 04	55	0.0206	0.0051	21.1	5.9	4.1	1.2	0	27.9	AH	
3280	2	14 26 34.1	01 30 30	31	0.325	0.013	656.5	8.5	25.5	1.5	0	0.2	AH	Q



PG 1426+01, SEARCH FOR VARIABILITY IN HIGH COUNT RATE QSOS

FIELD CENTER: 14^h26^m33.8^s 01°30'36" (B1950) 14^h29^m06.6^s 01°17'16" (J2000)

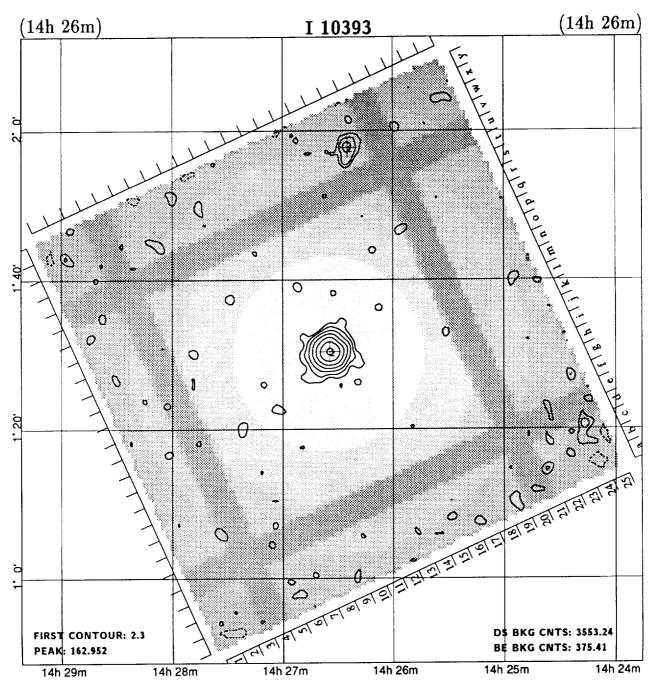
ℓ: 349.22 b: 55.13

DATE: 1981/ 5 - 1981/ 5 LIVETIME: 2787.6s

ROLL ANGLE: -114.5°

NH: 2.8E+20 REF/ID: FIELD FLAGS: C

CAT	FLD	RA	DEC	±	COUNT	±	NET	BKG	S/N	SIZE	RECO	R'	SRC	ID
#	#	(1950)	(1950)	"	RATE		CTS	CTS		COR			FLG	
3280	1	14 26 34.1	01 30 26	31	0.330	0.013	684.4	9.6	26.0	1.5	0	0.2	AH	Q



PG 1426+01, SEARCH FOR VARIABILITY IN HIGH COUNT RATE QSOS

FIELD CENTER: 14^h26^m33.8^s 01°30′36″ (B1950) 14^h29^m06.6^s 01°17′16″ (J2000)

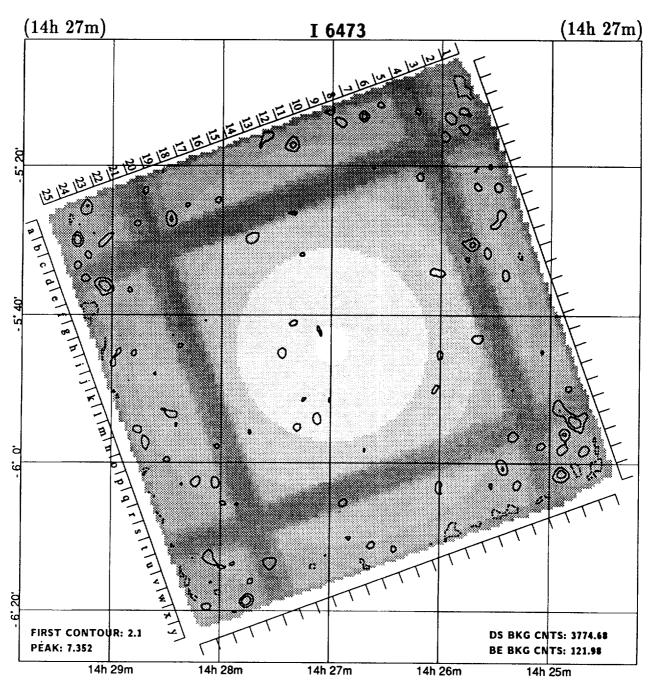
ℓ: 349.22 b: 55.13

DATE: 1981/ 5 - 1981/ 5 LIVETIME: 2879.3s

ROLL ANGLE: -114.4°

NH: 2.8E+20 REF/ID: FIELD FLAGS: C

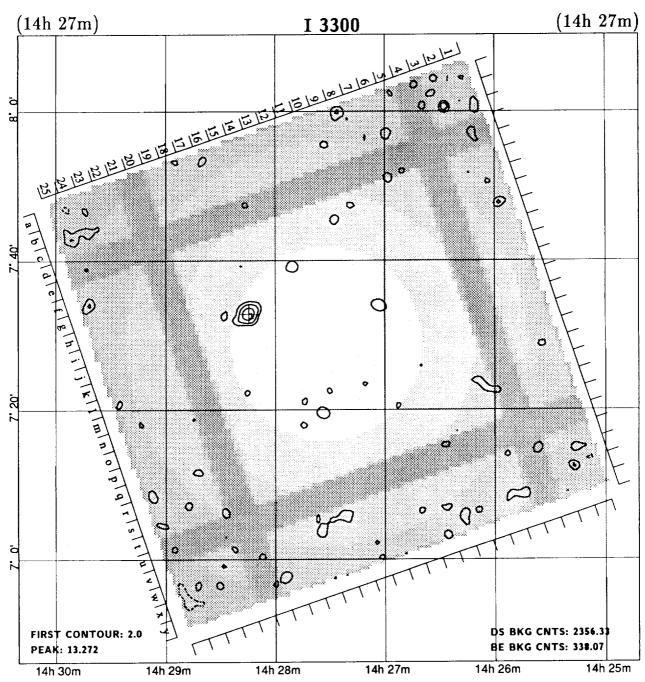
SIZE RECO SRC ID COUNT NET BKG S/N RA DEC CAT FLD \pm FLG COR (1950) (1950)RATE CTS CTS 0.0194 0.0048 21.4 6.6 4.1 1.2 0 27.4 AH 3279 14 26 24.7 01 57 42 53 Q 0 0.4 AΗ 724.5 9.5 26.7 1.5 3280 14 26 34.3 01 30 20 31 0.338 0.013



NGC 5634,GLOBULAR CLUSTER SURVEY

FIELD CENTER: $14^{h}27^{m}00.0^{s}$ -05°44′59″ (B1950) $14^{h}29^{m}37.9^{s}$ -05°58′19″ (J2000) ℓ : 342.22 ℓ : 49.26

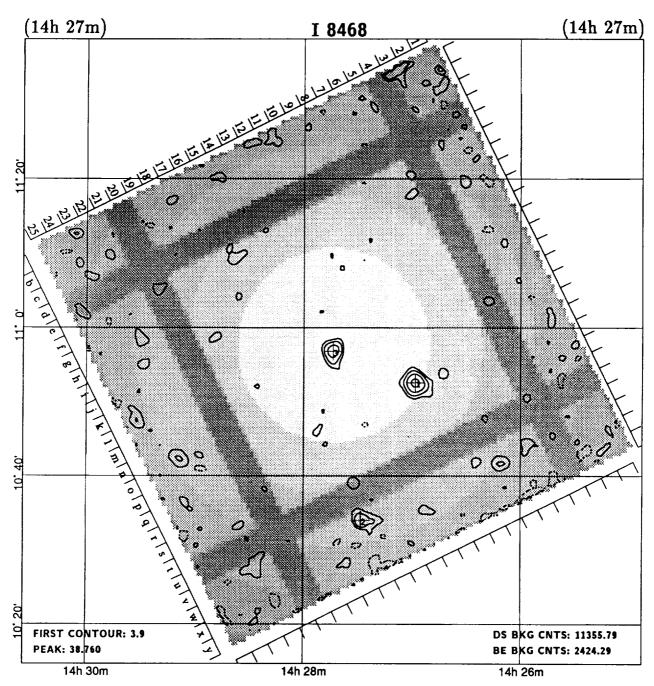
DATE: 1980/195 - 1980/217 LIVETIME: 3058.7s ROLL ANGLE: 69.9° NH: 4.4E+20 REF/ID: FIELD FLAGS:



CD GALAXIES IN POOR CLUSTERS: K146

FIELD CENTER: $14^{h}27^{m}31.2^{s}$ $07^{\circ}28'11''$ (B1950) $14^{h}29^{m}59.7^{s}$ $07^{\circ}14'53''$ (J2000) ℓ : 357.08 b: 59.32 DATE: 1979/191 - 1979/191 LIVETIME: 1909.4s ROLL ANGLE: 71.3° NH: 2.0E+20 REF/ID: FIELD FLAGS:

CAT	FLD	RA	DEC	±	COUNT	±	NET	BKG	S/N	SIZE	RECO	R'	SRC	ID
#	#	(1950)	(1950)	"	RATE		CTS	CTS		COR			FLG	
3287	1	14 28 14.5	07 32 53	41	0.0352	0.0057	43.7	6.3	6.2	0.9	0	11.8	н	



NEW TYPE OF EXTRAGALACTIC OBJECT: 1427+109

FIELD CENTER: 14^h27^m43.7^s 10°56'43" (B1950) 14^h30^m09.7^s 10°43'26" (J2000)

l: 2.45 b: 61.57

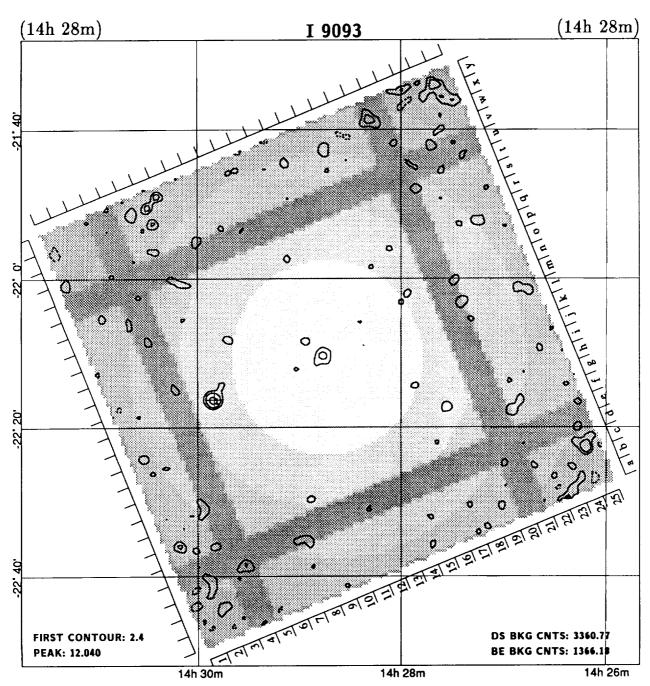
DATE: 1980/190 - 1980/190 LIVETIME: 9202.0s

ROLL ANGLE: 63.6°

NH: 1.8E+20 REF/ID:

FIELD FLAGS:

CAT	FLD	RA	DEC	±	COUNT	±	NET	BKG	S/N	SIZE	RECO	R'	SRC	ID
#	#	(1950)	(1950)	"	RATE		CTS	CTS		COR			FLG	
3282	1	14 26 58.1	10 52 36	38	0.0219	0.0022	128.5	31.5	10.2	1.1	0	11.8	Н	
3285	2	14 27 28.2	10 34 01	52	*0.0080	0.0018	33.2	20.8	4.5	1.1	501	22.8	н	
3286	3	14 27 43.7	10 56 51	32	0.0134	0.0016	91.9	35.1	8.2	0.9	0	0.2	н	



CLUSTERS OF GALAXIES AT MODERATE REDSHIFTS(0.1<Z<0.3): 28

FIELD CENTER: 14^h28^m42.0^s -22°09'59" (B1950) 14^h31^m32.4^s -22°23'14" (J2000)

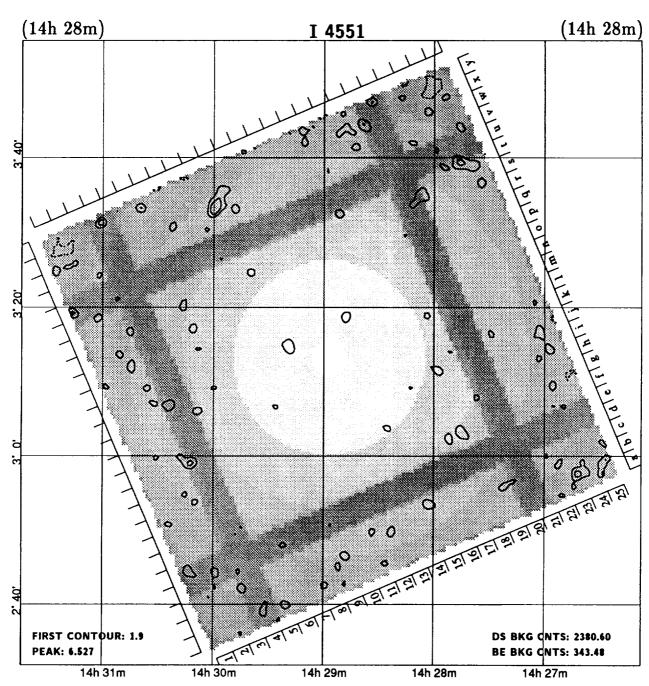
ℓ: 331.41 b: 34.89

DATE: 1981/ 43 - 1981/ 43 LIVETIME: 2723.4s

ROLL ANGLE: -112.1°

NH: 7.0E+20 REF/ID: FIELD FLAGS: L

CAT	FLD	RA	DEC	±	COUNT	±	NET	BKG	S/N	SIZE	RECO	R'	SRC	ID
#	#	(1950)	(1950)	"	RATE		CTS	CTS		COR			FLG	
3290	1L	14 29 50.1	-22 16 18	51	0.0221	0.0046	34.2	4.8	4.7	0.8	0	16.9		



IC 1024, EL & SO GAL. WITH COMPACT RADIO CORE

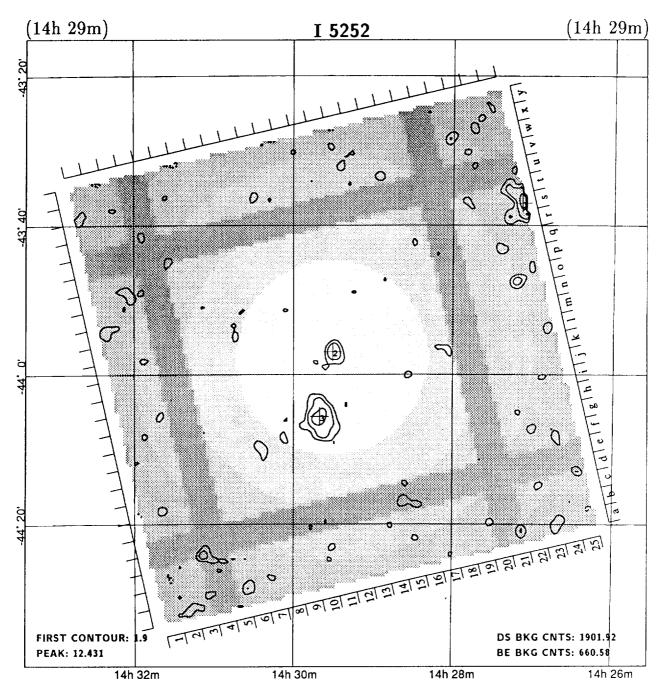
FIELD CENTER: 14^h28^m55.5^s 03°13'47" (B1950) 14^h31^m27.0^s 03°00'33" (J2000)

ℓ: 352.01 b: 56.04

DATE: 1980/ 23 - 1980/ 23 LIVETIME: 1929.1e

ROLL ANGLE: -113.1°

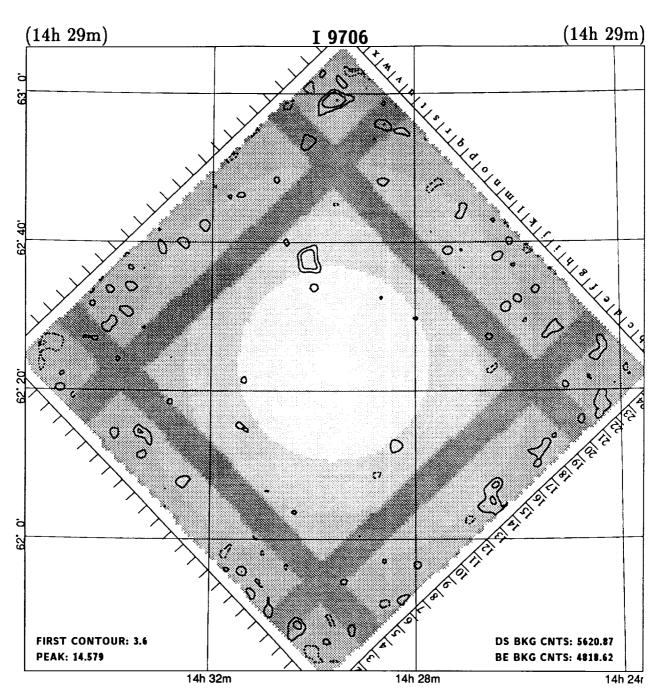
NH: 2.6E+20 REF/ID: FIELD FLAGS:



NGC 5643,X-RAY AND OPTICAL STUDY OF NEARBY SEYFERT 2 GALAXIES

FIELD CENTER: 14^h29^m28.0^s -43°57′11″ (B1950) DATE: 1980/ 23 - 1980/ 23 NH: 1.1E+21
14^h32^m41.3^s -44°10′24″ (J2000) LIVETIME: 1541.2_s REF/ID:
ℓ: 321.44 b: 15.03 ROLL ANGLE: -103.0° FIELD FLAGS:

CAT	FLD	RA	DEC	±	COUNT	±	NET	BKG	S/N	SIZE	RECO	R'	SRC	ID
#	#	(1950)	(1950)	"	RATE		CTS	CTS		COR			FLG	
3284	1	14 27 08.5	-43 37 00	54	*0.046	0.012	18.2	2.8	4.0	1.8	803	32.1	EH	
3288	2	14 29 30.3	-43 56 56	36	0.0247	0.0052	28.3	6.7	4.8	0.9	0	0.6	н	G
3289	3	14 29 40.1	-44 05 37	41	0.0502	0.0073	53.2	6.8	6.9	1.8	0	8.7	Н	



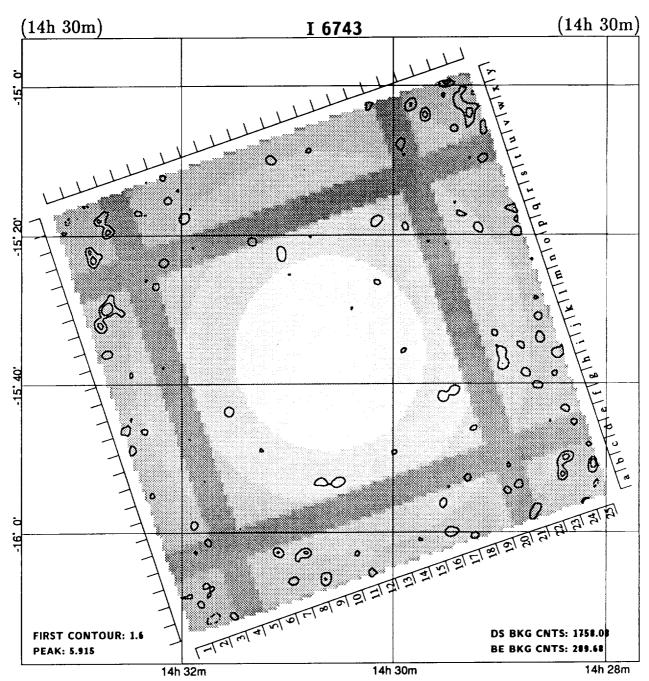
F0-G5 STARS: HR 5436

FIELD CENTER: 14h29m34.5 62°24'21" (B1950) 14^h 30^m 50.7^s 62°11′07″ (J2000)

ℓ: 104.66 *b*: 51.27

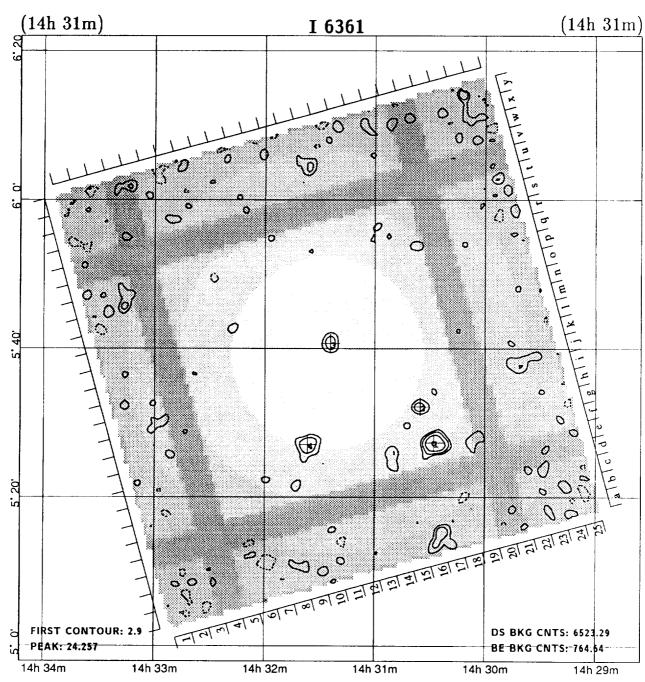
DATE: 1980/356 - 1980/356 LIVETIME: 4554.8s ROLL ANGLE: -133.6°

NH: 1.8E+20 REF/ID: ! FIELD FLAGS: L



SEARCH FOR HIGH LX QSO'S: 20

FIELD CENTER: $14^{h}30^{m}36.0^{s}$ -15°35′32″ (B1950) $14^{h}33^{m}21.3^{s}$ -15°48′42″ (J2000) ℓ : 335.88 b: 40.45 DATE: 1981/ 46 - 1981/ 46 LIVETIME: 1424.6s ROLL ANGLE: -108.7° NH: 7.4E+20 REF/ID: FIELD FLAGS:

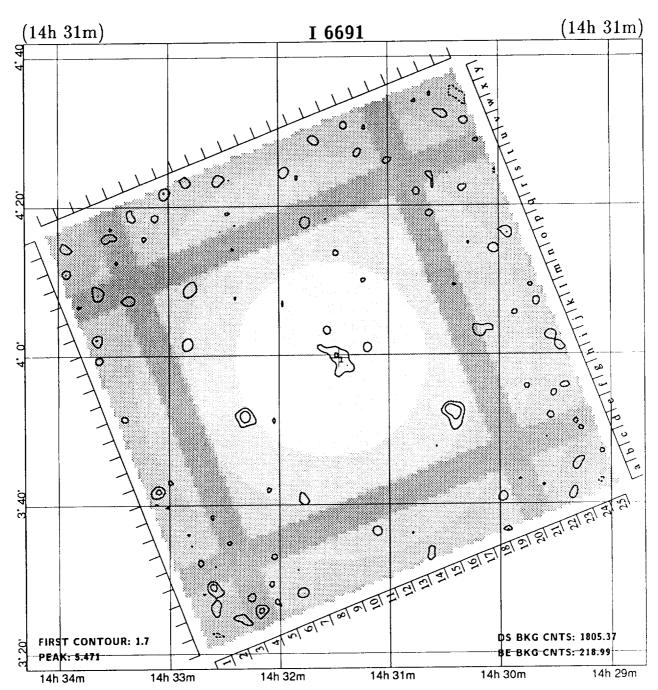


N 5674, EMISSION LINE GALAXY SURVEY

FIELD CENTER: $14^h 31^m 24.0^s 05^\circ 39'59''$ (B1950) $14^h 33^m 53.7^s 05^\circ 26'51''$ (J2000) ℓ : 355.89 b: 57.37

DATE: 1980/ 36 - 1980/ 36 LIVETIME: 5286.0s ROLL ANGLE: -105.3° NH: 2.4E+20 REF/ID: FIELD FLAGS:

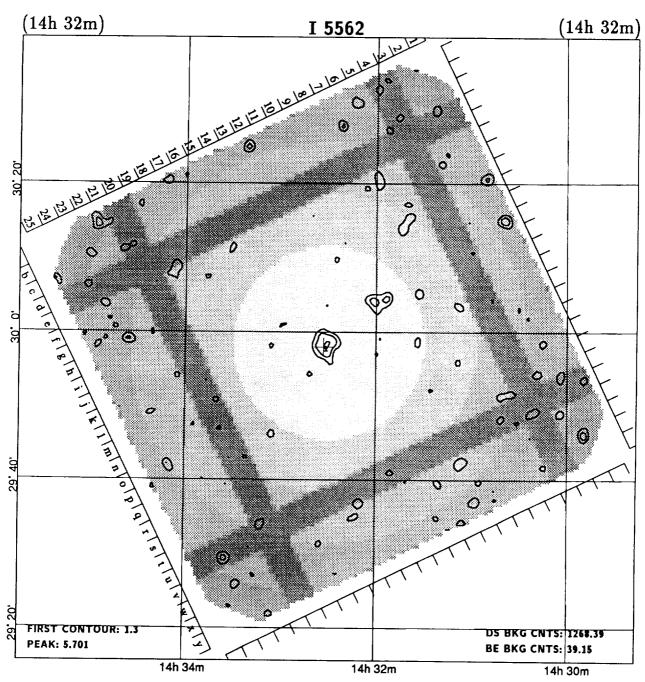
CAT	FLD	RA	DEC	±	COUNT	±	NET	BKG	S/N	SIZE	RECO	R'	SRC	ID
#	#	(1950)	(1950)	"	RATE		CTS	CTS		COR			FLG	
3291	1	14 30 27.8	05 27 18	49	0.0283	0.0034	79.3	13.7	8.2	1.1	0	18.5	Н	AGN
3292	2	14 30 35.2	05 32 12	43	0.0075	0.0019	23.8	13.2	3.9	0.7	0	14.1	н	
3294	3	14 31 24.2	05 40 40	36	0.0084	0.0018	32.8	18.2	4.6	0.7	0	0.9		
3297	4	14 31 36.6	05 27 03	42	0.0113	0.0022	37.6	16.4	5.1	1.0	0	13.3	н	



MKW 7: CD GALAXIES IN POOR CLUSTERS

FIELD CENTER: $14^h 31^m 30.0^s 03^\circ 59' 59''$ (B1950) $14^h 34^m 00.9^s 03^\circ 46' 52''$ (J2000) ℓ : 353.79 b: 56.17 DATE: 1980/ 17 - 1980/ 18 LIVETIME: 1463.0s ROLL ANGLE: -111.5° NH: 2.5E+20 REF/ID: FIELD FLAGS:

CAT	FLD	RA	DEC	±	COUNT	±	NET	BKG	S/N	SIZE	RECO	R'	SRC	ID
#	#	(1950)	(1950)	"	RATE		CTS	CTS		COR			FLG	
3296	1	14 31 27.4	03 59 36	41	0.0180	0.0046	19.6	5.4	3.9	1.4	0	0.4	Н	CLG

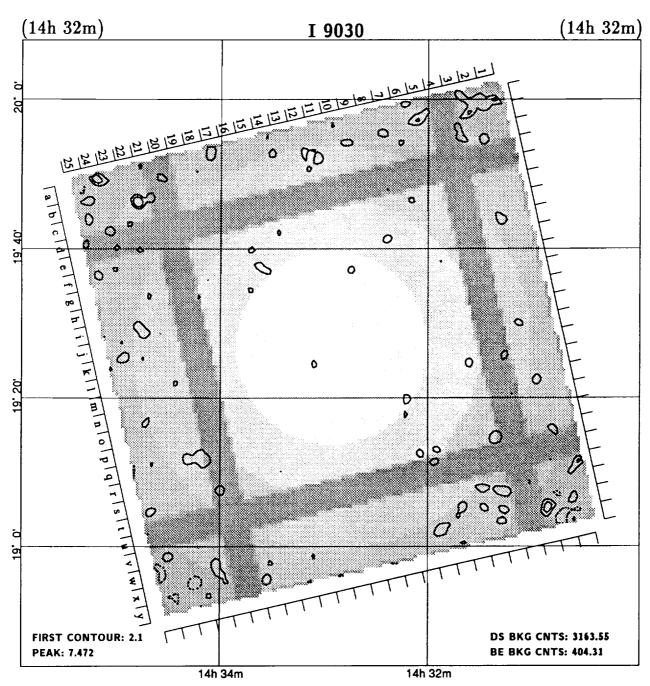


Sigma BOO

FIELD CENTER: 14^h32^m30.0° 29°57'40" (B1950) 14^h34^m39.9° 29°44'35" (J2000) *l*: 45.62 *b*: 67.20 DATE: 1980/180 - 1980/180 LIVETIME: 1027.86 ROLL ANGLE: 64.0°

NH: 1.3E+20 REF/ID: FIELD FLAGS:

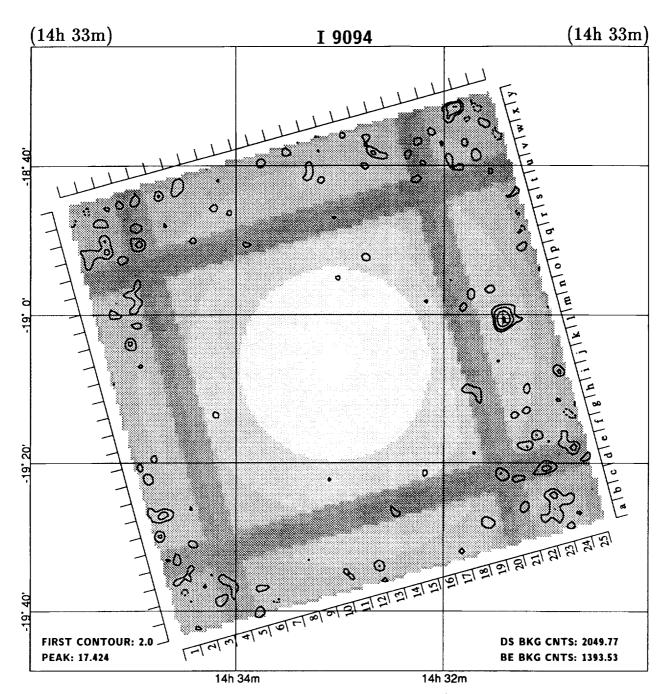
CAT	FLD	RA	DEC	±	COUNT	±	NET	BKG	S/N	SIZE	RECO	R'	SRC	ID
#	#	(1950)	(1950)	"	RATE		стѕ	CTS	_	COR			FLG	
3298	1	14 32 33.1	29 57 59	36	0.0336	0.0070	25.6	3.4	4.8	1.3	0	0.9	Н	S



THE FK COMAE STARS: HD 128220

FIELD CENTER: $14^h 32^m 56.6^s 19^o 25' 57''$ (B1950) $14^h 35^m 15.7^s 19^o 12' 53''$ (J2000) ℓ : 20.09 b: 64.92 DATE: 1980/220 - 1980/220 LIVETIME: 2563.5₆ ROLL ANGLE: 77.3°

NH: 2.2E+20 REF/ID: FIELD FLAGS:



CLUSTERS OF GALAXIES AT MODERATE REDSHIFTS(0.1<Z<0.3): 29

FIELD CENTER: 14h33m00.0s -19005'59" (B1950)

14h 35m 48.3s -19° 19' 03" (J2000)

ℓ: 334.30 b: 37.12

DATE: 1981/ 46 - 1981/ 46

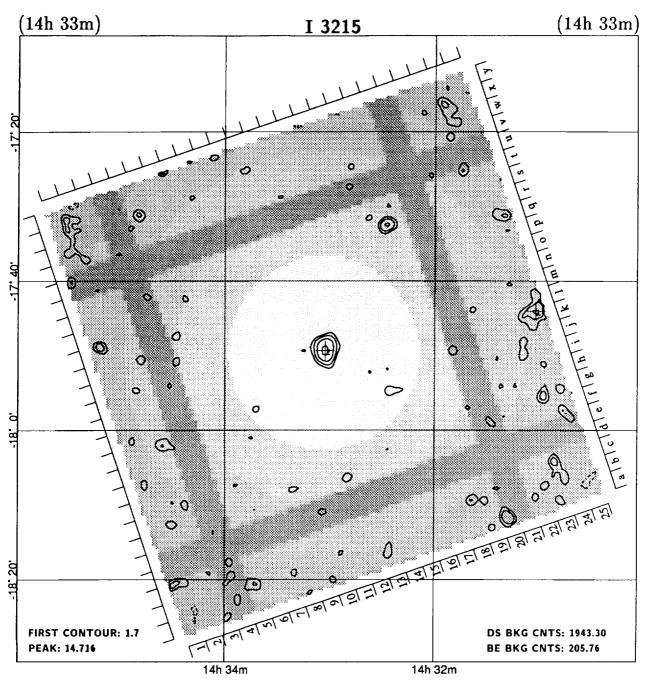
LIVETIME: 1661.0s

ROLL ANGLE: -105.3°

NH: 7.6E+20 REF/ID:

FIELD FLAGS: L

CAT	FLD	RA	DEC	±	COUNT	±	NET	BKG	S/N	SIZE	RECO	R'	SRC	ID
#	#	(1950)	(1950)	"	RATE		CTS	CTS		COR			FLG	
3295	1L	14 31 26.2	-19 00 32	50	0.0436	0.0099	32.8	8.2	4.3	1.0	0	22.8		

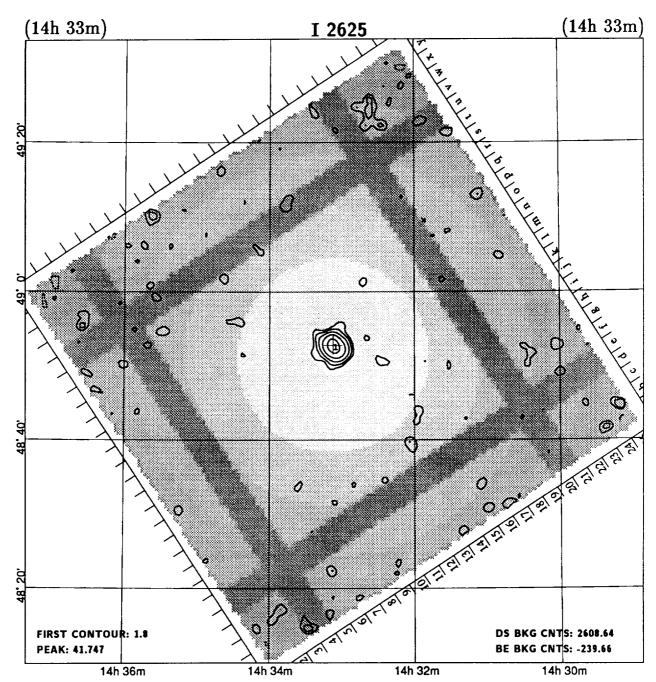


RS CVN SYSTEMS: RV LIB

FIELD CENTER: $14^h 33^m 01.5^s -17^o 49'08''$ (B1950) $14^h 35^m 48.7^s -18^o 02'12''$ (J2000) ℓ : 335.10 b: 38.23

DATE: 1980/ 41 - 1980/ 41 LIVETIME: 1574.7s ROLL ANGLE: -108.7° NH: 7.1E+20 REF/ID: FIELD FLAGS:

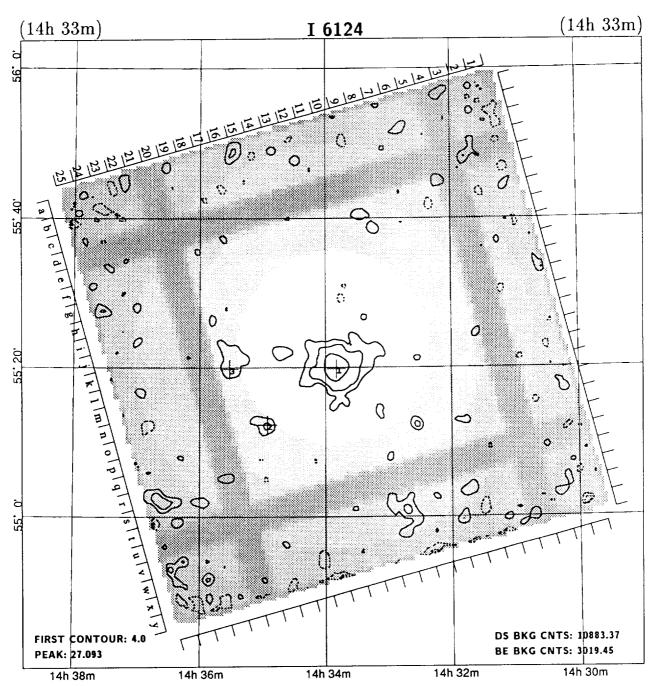
CAT	FLD	RA	DEC	±	COUNT	±	NET	BKG	S/N	SIZE	RECO	R'	SRC	ID
#	#	(1950)	(1950)	"	RATE		CTS	CTS		COR			FLG	
3293	1	14 31 02.6	-17 44 02	55	*0.0303	0.0085	15.6	3.4	3.6	1.3	602	28.8	EH	
3299	2	14 33 02.5	-17 49 20	32	0.0603	0.0074	70.8	5.2	8.1	1.1	0	0.4	Н	cv



SEYFERT GALAXY SURVEY: MKN 474

FIELD CENTER: 14^h33^m06.0^s 48°51'59" (B1950) 14^h34^m52.3^s 48°38'55" (J2000) ℓ: 86.96 b: 60.62 DATE: 1980/ 3 - 1980/ 3 LIVETIME: 2113.9a ROLL ANGLE: -123.2° NH: 2.3E+20 REF/ID: FIELD FLAGS:

CAT	FLD	RA	DEC	±	COUNT	±	NET	BKG	S/N	SIZE	RECO	R'	SRC	ID
#	#	(1950)	(1950)	"	RATE		CTS	CTS		COR			FLG	
3300	1	14 33 07.5	48 52 48	31	0.1132	0.0086	177.4	5.6	13.1	1.4	0	0.8	Н	SY



A 1940, DETAILED STUDY OF NEARBY CLUSTERS

FIELD CENTER: 14^h 33^m 54.0^s 55°21'59" (B1950) 14^h 35^m 27.5^s 55°08'57" (J2000)

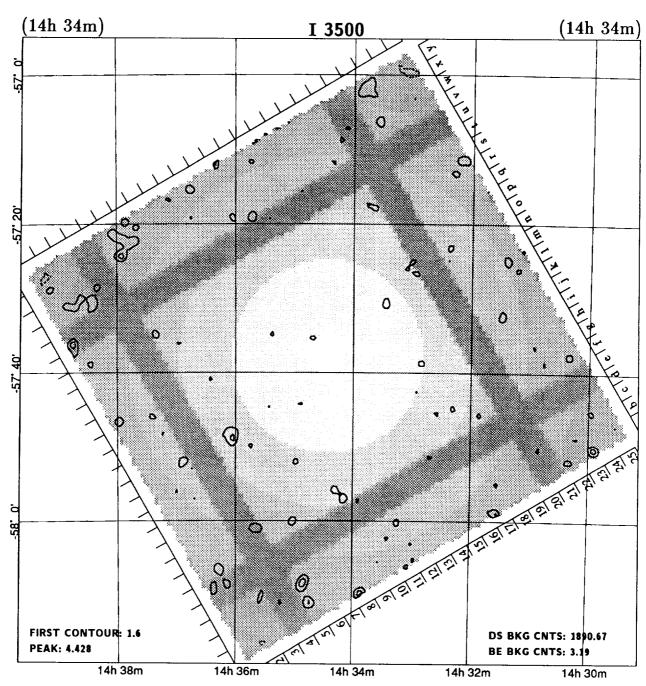
 $14^h 35^m 27.5^s 55^o 08'57''$ (J200 ℓ : 96.14 b: 56.23

DATE: 1980/205 - 1980/207 LIVETIME: 8819.1s

ROLL ANGLE: 74.8°

NH: 1.3E+20 REF/ID: FIELD FLAGS:

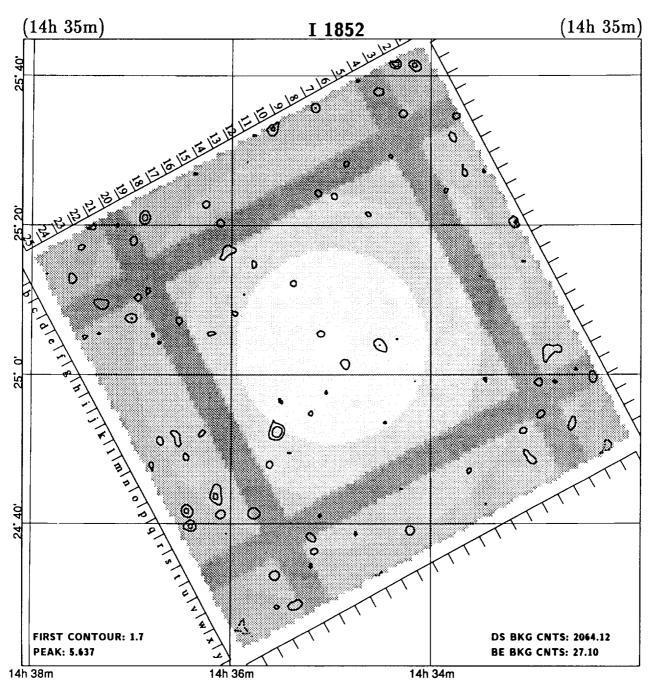
CAT	FLD	RA	DEC	+	COUNT	±	NET	BKG	S/N	SIZE	RECO	R'	SRC	ID
CA	#	(1950)	(1950)	\hat{n}	RATE	_	į.	CTS	,	COR			FLG	
3301	<u>"</u>	\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\	55 19 49	31	0.0226	0.0021	145.6	37.4	10.8	3.8	0	1.5	Н	
3302	2	14 34 55.5		45	0.0053	0.0014	28.5	28.5	3.8	0.8	0	13.2	н	
3304	3	14 35 31.6	55 19 46	47	0.0053	0.0014	28.1	28.9	3.7	1.7	300	14.1		



RR CEN,W UMA-TYPE STARS

FIELD CENTER: $14^h 34^m 24.0^s$ -57°37′11″ (B1950) $14^h 38^m 04.4^s$ -57°50′09″ (J2000) ℓ : 316.76 b: 2.14

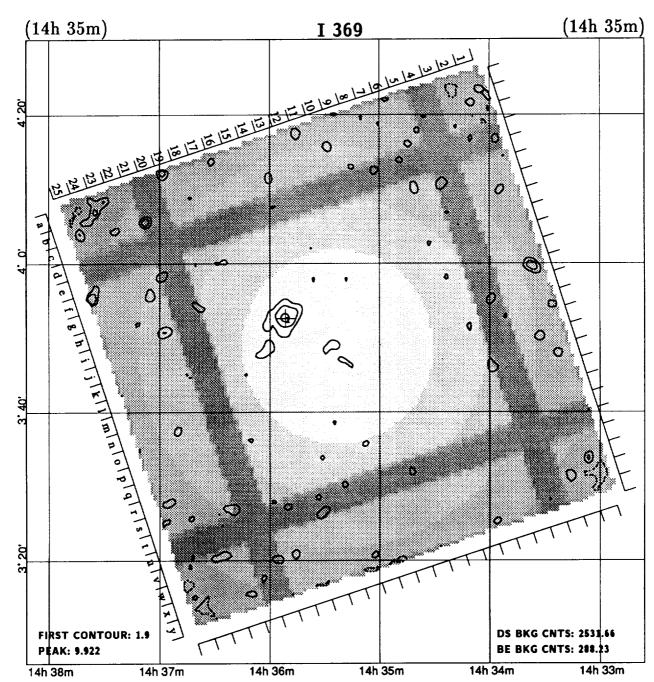
DATE: 1979/ 56 - 1979/ 57 LIVETIME: 1532.1s ROLL ANGLE: -120.4° NH: 1.6E+21 REF/ID: FIELD FLAGS:



A1939: X-RAY STUDY OF CLUSTERS OF GALAXIES

FIELD CENTER: $14^h 35^m 00.0^s 25^o 02'59''$ (B1950) $14^h 37^m 14.2^s 24^o 50'01''$ (J2000) ℓ : 33.40 δ : 66.16

DATE: 1979/191 - 1979/191 LIVETIME: 1672.66 ROLL ANGLE: 61.6° NH: 2.7E+20 REF/ID: ! FIELD FLAGS:



PKS 1435+03.8 RADIO SOURCE SURVEY

FIELD CENTER: 14^h35^m24.0^s 03°48'11" (B1950) 14^h37^m55.0^s 03°35'14" (J2000)

l: 354.79 b: 55.35

DATE: 1979/202 - 1979/202

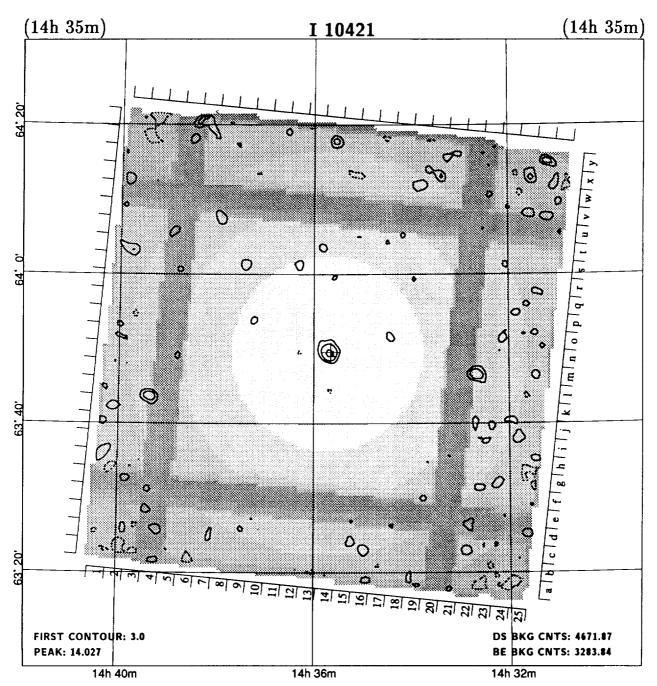
LIVETIME: 2051.5

ROLL ANGLE: 72.0°

NH: 2.6E+20 REF/ID:

REF/ID: FIELD FLAGS:

CAT #	FLD #	RA (1950)	DEC (1950)	± "	COUNT RATE	±	NET CTS	BKG CTS	S/N	SIZE	RECO	R'	SRC FLG	ID
3307	1	14 35 51.6	03 52 42	42	0.0247	0.0046	34.7	7.3	5.4	1.5	0	8.4	AH	

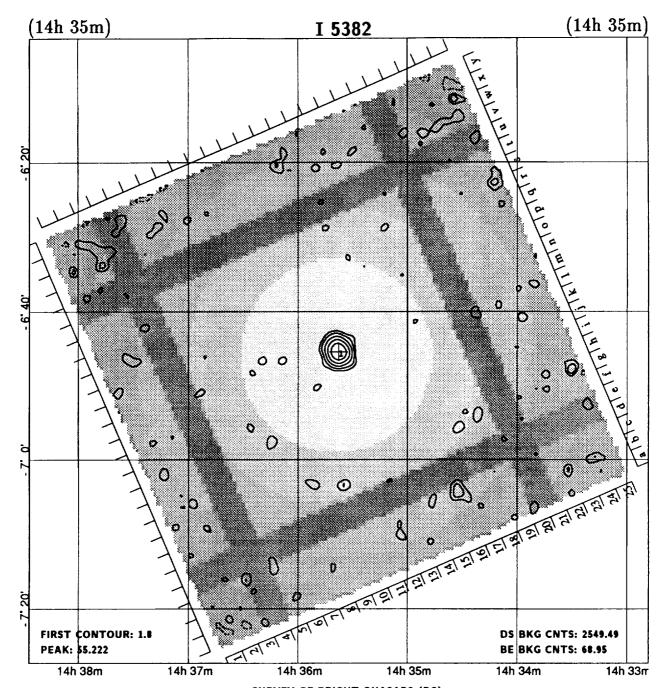


QSO 1435+63, MEASUREMENT OF CONTINUUM & ITS EXCESS

FIELD CENTER: $14^h35^m37.2^s$ 63°49'35" (B1950) $14^h36^m45.7^s$ 63°36'37" (J2000) ℓ : 105.17 b: 49.73

DATE: 1981/ 40 - 1981/ 40 LIVETIME: 3785.86 ROLL ANGLE: -84.4° NH: 1.7E+20 REF/ID: FIELD FLAGS: L

CAT	FLD	RA	DEC	±	COUNT	±	NET	BKG	S/N	SIZE	RECO	R'	SRC	ID
#	#	(1950)	(1950)	"	RATE		CTS	CTS		COR			FLG	
3306	1L	14 35 39.2	63 49 30	35	0.0217	0.0036	61.2	16.8	5.8	0.9	0	0.5		



SURVEY OF BRIGHT QUASARS (PG)

FIELD CENTER: 14^h 35^m 37.5^s -06° 45'21" (B1950) 14^h 38^m 16.3^s -06° 58'18" (J2000)

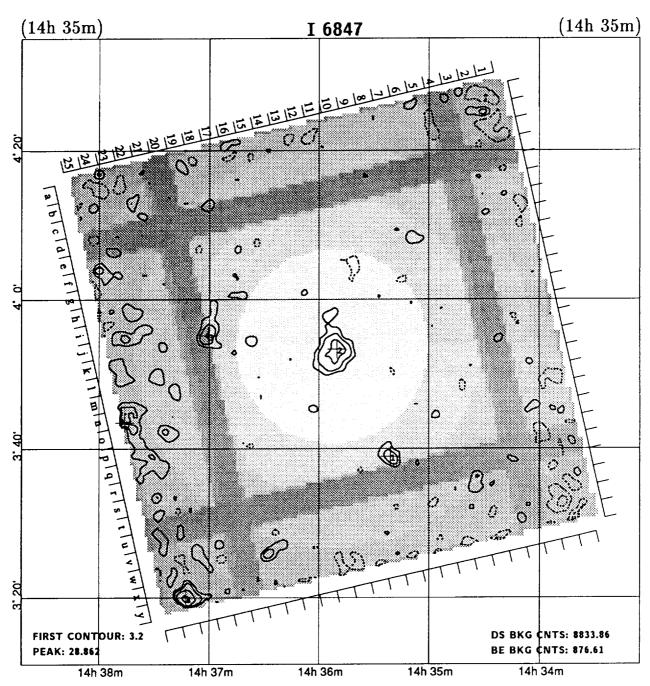
ℓ: 343.98 b: 47.21

DATE: 1980/ 40 - 1980/ 40 LIVETIME: 2066.0s

ROLL ANGLE: -113.2°

NH: 5.5E+20 REF/ID: FIELD FLAGS:

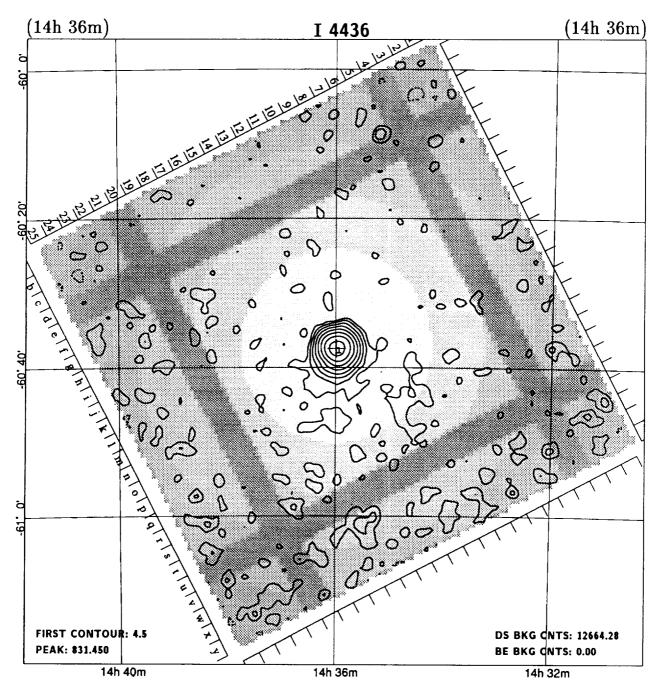
CAT	FLD	RA	DEC	±	COUNT	±	NET	BKG	S/N	SIZE	RECO	R'	SRC	ID
#	#	(1950)	(1950)	"	RATE		CTS	CTS		COR			FLG	
3305	1	14 35 37.7	-06 45 22	31	0.157	0.010	241.5	6.5	15.3	1.2	0	0.2	Н	Q



A1942, OBSERVATIONS OF BUTCHER-OEMLER CLUSTERS

FIELD CENTER: $14^h 35^m 54.0^s 03^o 52' 59''$ (B1950) $14^h 38^m 24.9^s 03^o 40' 04''$ (J2000) ℓ : 355.05 b: 55.32 DATE: 1980/220 - 1980/220 LIVETIME: 7158.3s ROLL ANGLE: 77.3° NH: 2.6E+20 REF/ID: FIELD FLAGS:

CAT	FLD	RA	DEC	±	COUNT	±	NET	BKG	S/N	SIZE	RECO	R'	SRC	ID
#	#	(1950)	(1950)	"	RATE		CTS	CTS		COR			FLG	
3303	1	14 35 21.0	03 38 57	51	*0.0086	0.0018	34.6	19.4	4.7	0.9	601	16.6	Н	
3307	2	14 35 50.1	03 53 20	34	0.0149	0.0019	79.5	22.5	7.9	2.0	0	1.0	AH	
3310	3	14 37 00.7	03 55 12	51	*0.0103	0.0019	41.3	14.7	5.5	1.2	806	16.8	н	
3311	4	14 37 12.8	03 19 59	52	0.0215	0.0046	30.8	12.2	4.7	1.0	500	38.5	EH	
3314	5	14 37 46.0	03 43 29	56	*0.0130	0.0034	20.7	9.3	3.8	4.1	906	29.7	EH	



STELLAR SURVEY: ALPHA CEN

FIELD CENTER: 14h36m00.0s -60°37'59" (B1950) 14h39m49.6s -60°50'53" (J2000)

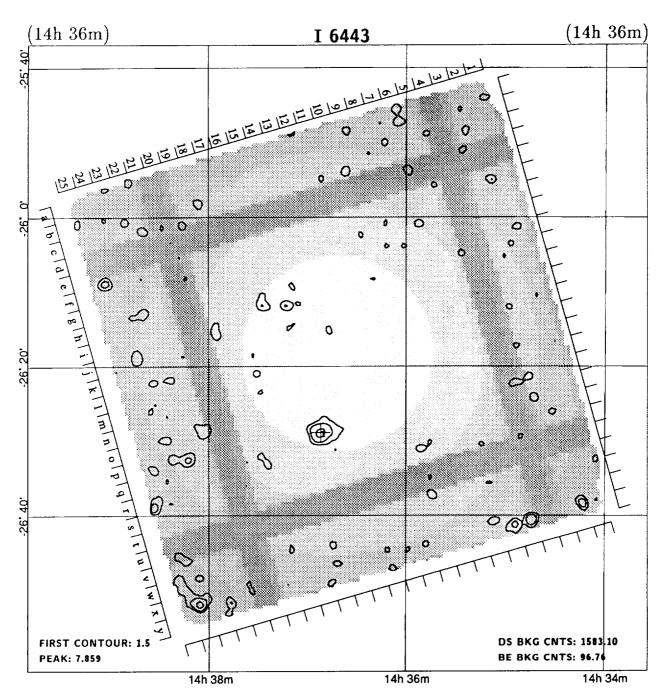
ℓ: 315.75 *b*: -0.70

DATE: 1979/238 - 1979/238 LIVETIME: 10262.2s

ROLL ANGLE: 62.6°

NH: 1.2E+21 REF/ID: FIELD FLAGS: L

CAT	FLD	RA	DEC	±	COUNT	±	NET	BKG	S/N	SIZE	RECO	R'	SRC	1D
#	#	(1950)	(1950)	"	RATE		CTS	CTS		COR			FLG	
3308	1L	14 35 58.9	-60 37 27	31	0.4001	0.0098	3060.4	1069.6	40.5	1.7	0	0.5		S

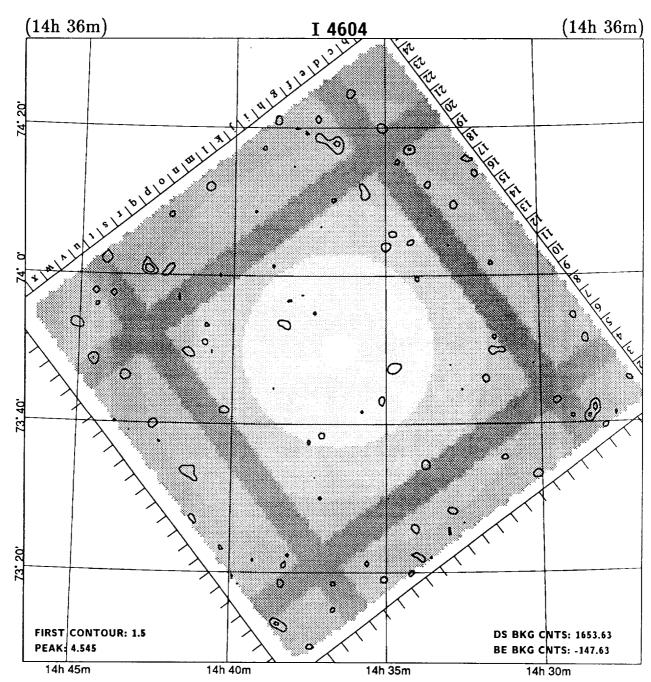


NGC 5694,GLOBULAR CLUSTER SURVEY

FIELD CENTER: $14^{h}36^{m}42.0^{s}$ -26°18′59″ (B1950) $14^{h}39^{m}36.9^{s}$ -26°31′52″ (J2000) ℓ : 331.06 b: 30.37

DATE: 1980/206 - 1980/206 LIVETIME: 1282.8s ROLL ANGLE: 74.2° NH: 7.2E+20 REF/ID: FIELD FLAGS:

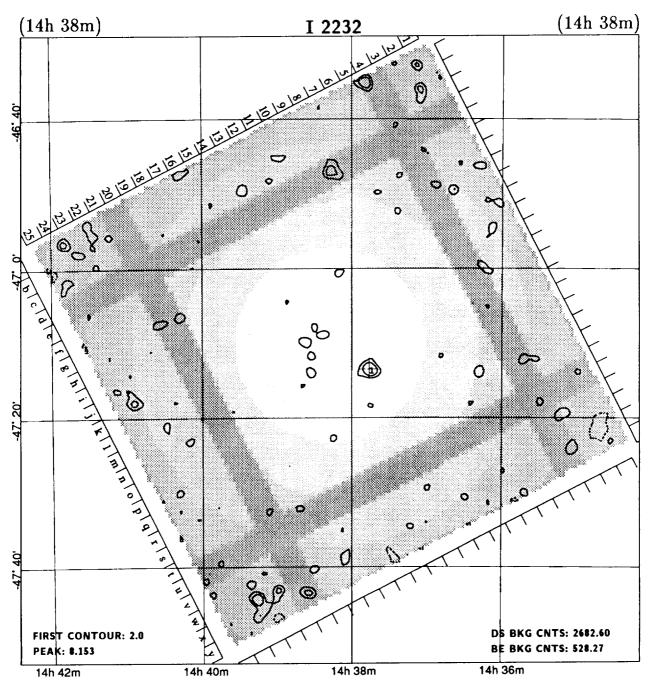
CAT	FLD	RA	DEC	±	COUNT	±	NET	BKG	S/N	SIZE	RECO	R'	SRC	ID
#	#	(1950)	(1950)	"	RATE		CTS	CTS		COR			FLG	
3309	1	14 36 51.8	-26 28 54	42	0.0336	0.0067	28.3	3.7	5.0	1.2	0	9.9	Н	



MKN 287: S-TYPE MARKARIAN GALAXY

FIELD CENTER: $14^h 36^m 42.0^s 73^o 49'59''$ (B1950) $14^h 36^m 51.1^s 73^o 37'03''$ (J2000) ℓ : 113.31 b: 41.48

DATE: 1979/269 - 1979/269 LIVETIME: 1340.0s ROLL ANGLE: 142.7° NH: 2.4E+20 REF/ID: FIELD FLAGS:



STELLAR SURVEY-EARLY TYPE STARS: HD129056=ALPHA LUP

FIELD CENTER: 14h38m18.0s -47°10'59" (B1950) 14h41m38.3s -47°23'47" (J2000)

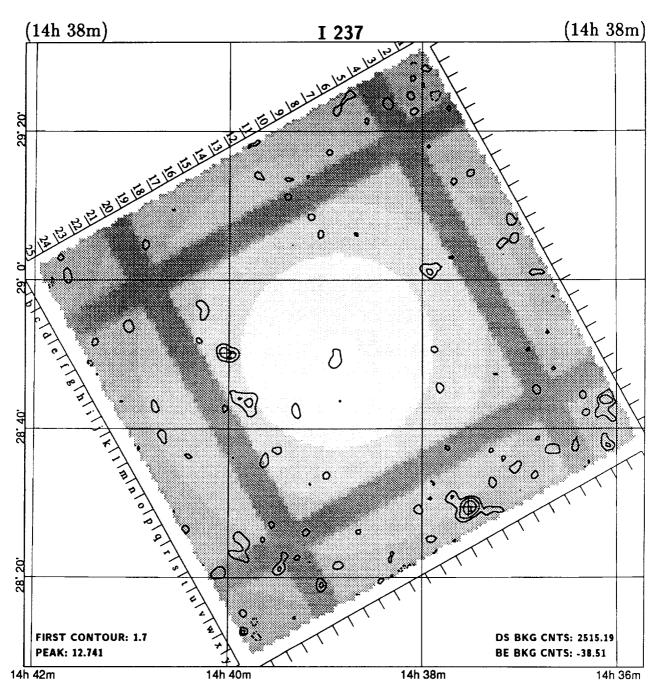
ℓ: 321.56 b: 11.45

DATE: 1979/240 - 1979/240 LIVETIME: 2173.8s

REF/ID: FIELD FLAGS: ROLL ANGLE: 62.9°

NH: 1.6E+21

CAT	FLD	RA	DEC	±	COUNT	±	NET	BKG	S/N	SIZE	RECO	R'	SRC	ID
#	#	(1950)	(1950)	"	RATE		CTS	CTS		COR			FLG	
3313	1	14 37 46.0	-47 13 32	42	0.0177	0.0039	27.1	8.9	4.5	0.8	0	5.8	Н	S

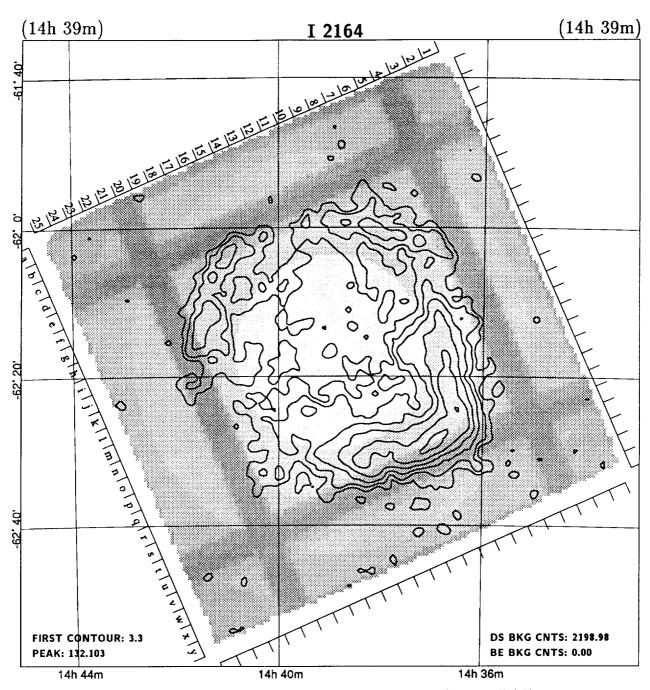


A 1952 CLUSTER EVOLUTION

FIELD CENTER: $14^h 38^m 54.0^s 28^o 49' 59''$ (B1950) $14^h 41^m 04.2^s 28^o 37' 12''$ (J2000) ℓ : 42.89 b: 65.78

DATE: 1979/191 - 1979/191 LIVETIME: 2038.1s ROLL ANGLE: 60.7° NH: 1.7E+20 REF/ID: ! FIELD FLAGS:

CAT	FLD	RA	DEC	±	COUNT	±	NET	BKG	S/N	SIZE	RECO	R'	SRC	ID
#	#	(1950)	(1950)	"	RATE		CTS	CTS		COR			FLG	
3312	1	14 37 31.4	28 29 26	51	0.0285	0.0065	22.7	4.3	4.4	1.2	0	27.2	Н	
3317	2	14 40 01.4	28 50 14	46	0.0150	0.0040	18.0	5.0	3.7	0.8	0	14.8	Н	

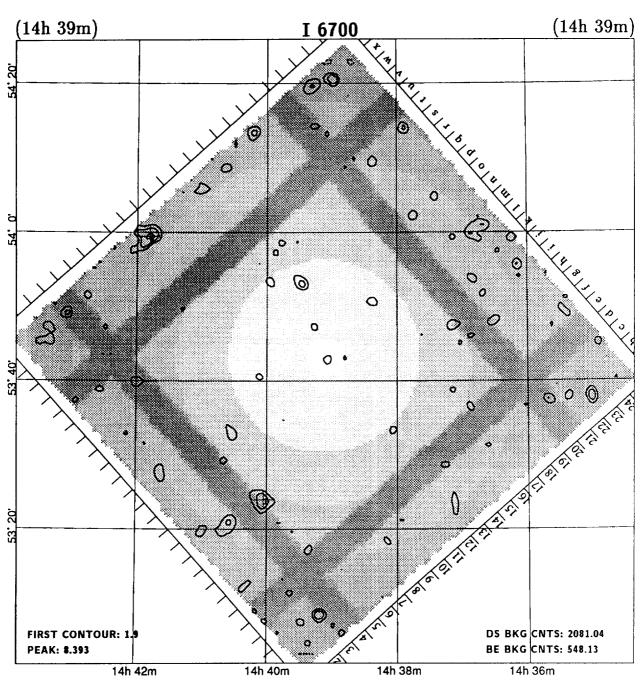


X-RAY STUDY OF SUPERNOVA REMNANTS: G315.4-2.3=RCW86=MSH14-63

FIELD CENTER: 14^h39^m00.0^s -62°16′59" (B1950) 14^h42^m56.3^s -62°29'44" (J2000)

ℓ: 315.41 b: -2.36

DATE: 1979/238 - 1979/238 LIVETIME: 1781.96 ROLL ANGLE: 66.4° NH: 1.2E+21 REF/ID: SNR FIELD FLAGS: DLS



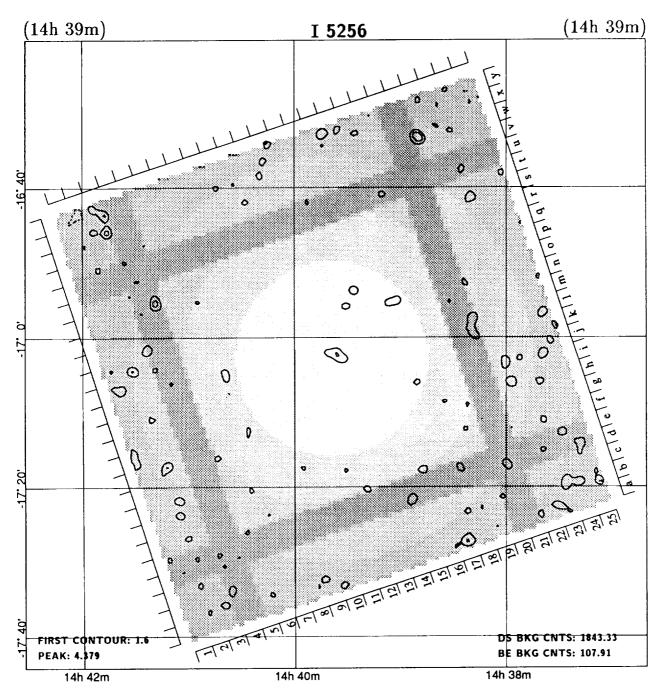
SEYFERT SURVEY: I ZW 92

FIELD CENTER: 14^h39^m06.0^s 53°43'59" (B1950) 14^h40^m41.5^s 53°31'12" (J2000)

ℓ: 93.05 b: 56.80

DATE: 1980/ 2 - 1980/ 2 LIVETIME: 1686.3s ROLL ANGLE: -131.4° NH: 1.3E+20 REF/ID: FIELD FLAGS:

CAT	FLD	RA	DEC	±	COUNT	±	NET	BKG	S/N	SIZE	RECO	R'	SRC	D
#	#	(1950)	(1950)	"	RATE		CTS	CTS		COR			FLG	
3318	1	14 40 02.9	53 23 57	55	*0.0205	0.0055	17.0	4.0	3.7	0.9	703	21.7	Н	
3324	2	14 41 48.2	53 59 27	55	0.0260	0.0074	16.1	4.9	3.5	1.1	100	28.5	Н	



NGC 5728,X-RAY AND OPTICAL STUDY OF NEARBY SEYFERT 2 GALAXIES

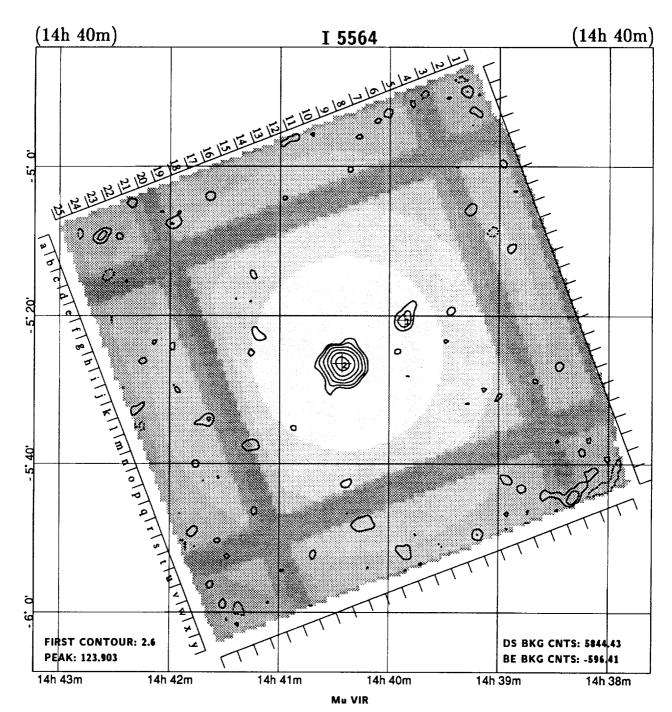
FIELD CENTER: 14^h39^m37.0^s -17°02′17" (B1950) 14^h42^m24.1^s -17°15′02" (J2000)

ℓ: 337.33 b: 38.10

DATE: 1980/ 48 - 1980/ 48 LIVETIME: 1493.7s

ROLL ANGLE: -108.2°

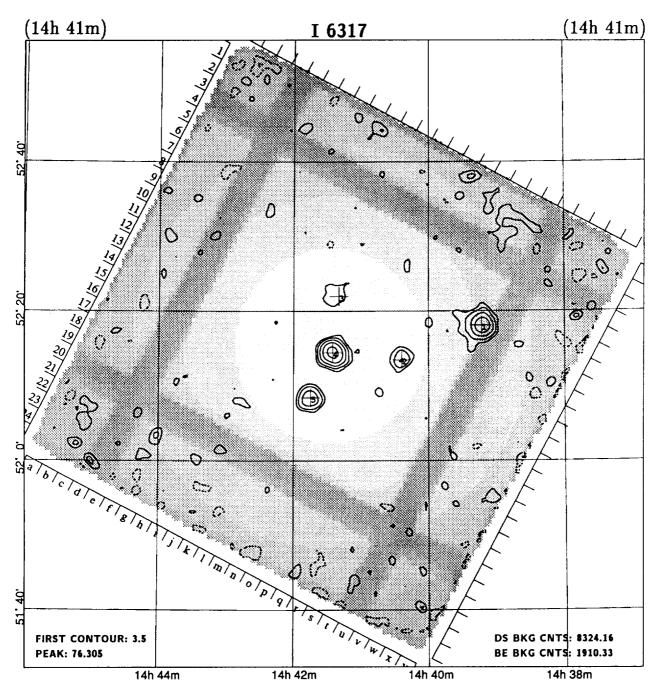
NH: 7.4E+20 REF/ID: ! FIELD FLAGS:



FIELD CENTER: $14^{h}40^{m}25.0^{s}$ -05°25′59″ (B1950) $14^{h}43^{m}02.9^{s}$ -05°38′42″ (J2000) ℓ : 346.56 b: 47.55

DATE: 1980/216 - 1980/216 LIVETIME: 4735.9s ROLL ANGLE: 69.0° NH: 5.5E+20 REF/ID: FIELD FLAGS:

CAT	FLD	RA	DEC	±	COUNT	±	NET	BKG	S/N	SIZE	RECO	R'	SRC	ID
#	#	(1950)	(1950)	"	RATE		стѕ	CTS		COR			FLG	
3316	1	14 39 51.4	-05 20 33	42	0.0098	0.0020	31.2	11.8	4.8	1.1	0	10.4	Н	AGN
3320	2	14 40 25.9	-05 26 30	31	0.1545	0.0067	542.3	12.7	23.0	1.5	0	0.6	н	

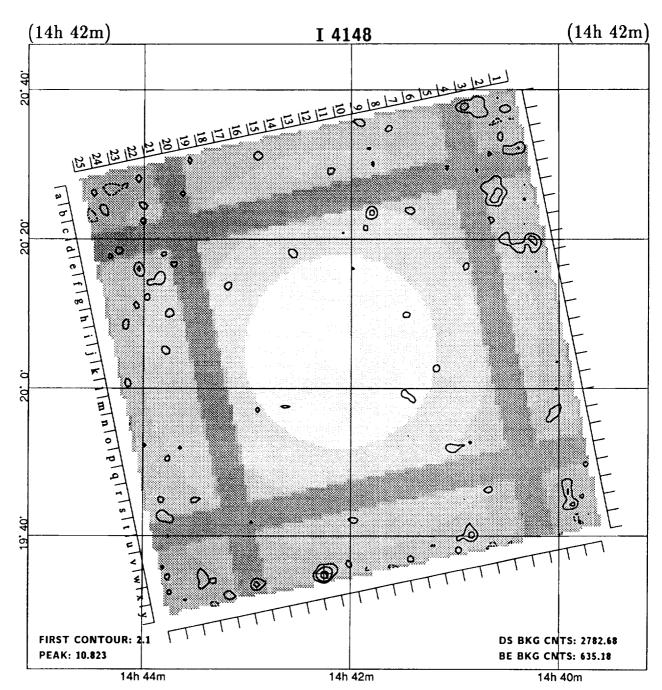


3CR 303, 3CR RADIO GAL. W/SEYFERT-LIKE OPT. SPECTRA

FIELD CENTER: $14^{h}41^{m}24.7^{s}$ 52°14′20″ (B1950) $14^{h}43^{m}02.6^{s}$ 52°01′38″ (J2000) ℓ : 90.53 b: 57.50

DATE: 1980/154 - 1980/154 LIVETIME: 6745.4s ROLL ANGLE: 27.9° NH: 1.6E+20 REF/ID: FIELD FLAGS:

CAT	FLD	RA	DEC	±	COUNT	±	NET	BKG	S/N	SIZE	RECO	R'	SRC	ā
#	#	(1950)	(1950)	"	RATE		CTS	CTS		COR			FLG	
3315	1	14 39 13.0	52 18 05	48	*0.0419	0.0037	141.7	18.3	11.2	1.3	703	20.5	Н	
3319	2	14 40 23.7	52 13 30	41	0.0099	0.0019	44.8	25.2	5.4	0.9	0	9.2	Н	
3321	3	14 41 19.7	52 21 58	46	0.0060	0.0016	28.5	26.5	3.8	0.9	0	7.9	н	
3322	4	14 41 25.2	52 14 27	31	0.0664	0.0038	333.2	26.8	17.6	1.2	0	0.4	н	G
3323	5	14 41 44.7	52 08 27	38	0.0208	0.0024	97.1	23.9	8.8	1.0	0	6.5	н	

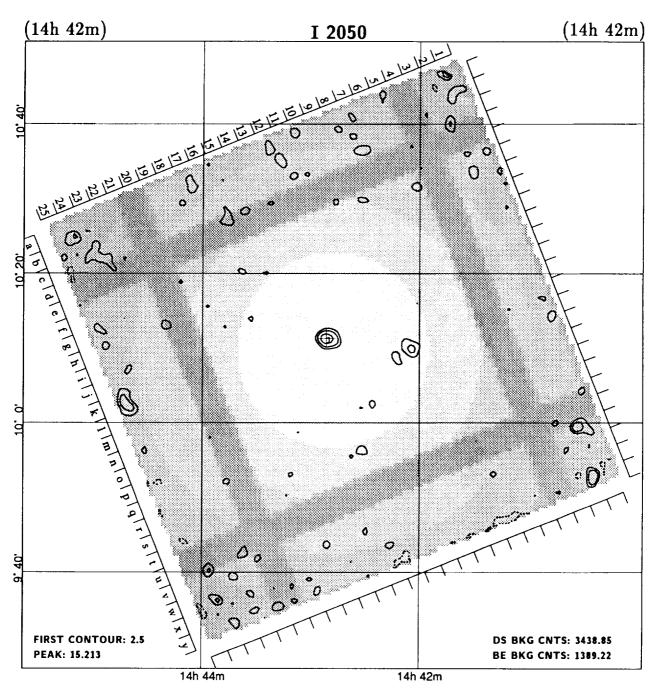


H1444+19 POSITION

FIELD CENTER: $14^h42^m07.2^s$ $20^\circ04'11''$ (B1950) $14^h44^m25.1^s$ $19^\circ51'33''$ (J2000) ℓ : 23.31 b: 63.16

DATE: 1980/223 - 1980/223 LIVETIME: 2254.96 ROLL ANGLE: 78.3° NH: 2.3E+20 REF/ID: FIELD FLAGS:

CAT	FLD	RA	DEC	±	COUNT	±	NET	BKG	S/N	SIZE	RECO	R'	SRC	ID
#	#	(1950)	(1950)	"	RATE		CTS	CTS		COR			FLG	ſ
3325	1	14 42 15.3	19 34 56	55	0.0218	0.0061	17.3	5.7	3.6	0.8	600	29.3	Н	\neg



X-RAY STUDY OF QUASARS: OQ 172

FIELD CENTER: 14h42m48.0 10008'59" (B1950) 14h45m14.0s 09°56'23" (J2000)

ℓ: 5.72 b: 58.16

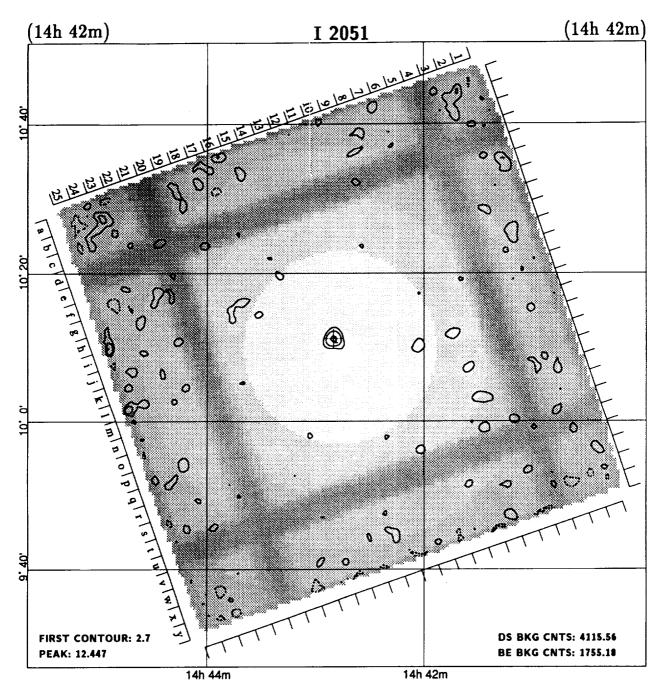
DATE: 1979/203 - 1979/203

ROLL ANGLE: 68.2°

LIVETIME: 2786.6s

NH: 1.7E+20 REF/ID: ! FIELD FLAGS: CL

CAT	FLD	RA	DEC	±	COUNT	±	NET	BKG	S/N	SIZE	RECO	R'	SRC	ID
#	#	(1950)	(1950)	"	RATE		CTS	CTS		COR			FLG	
3326	1L	14 42 51.4	10 11 18	35	0.0278	0.0046	57.1	10.9	5.9	0.9	0	2.5	Α	Q



X-RAY STUDY OF QUASARS: OQ 172

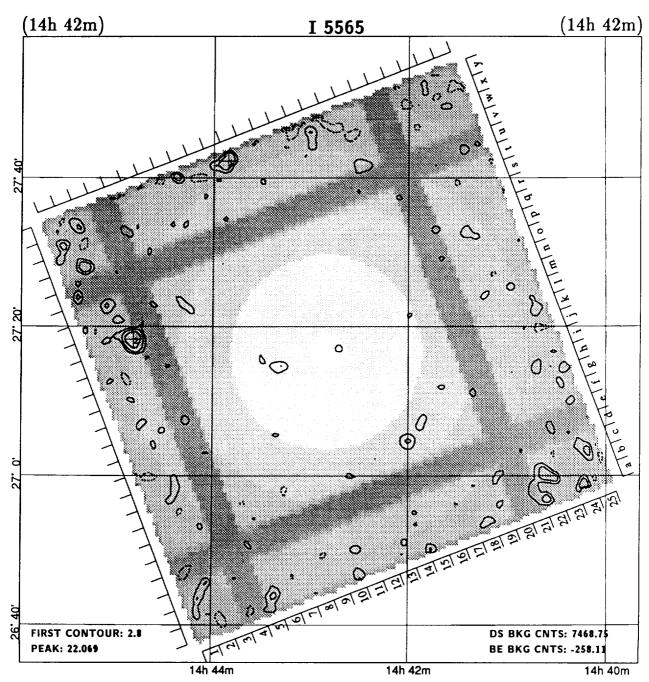
FIELD CENTER: 14^h42^m48.0^s 10°08'59" (B1950) 14^h45^m14.0^s 09°56'23" (J2000)

 $14^{h}45^{m}14.0^{s} 09^{o}56'23'' (J2000)$ ℓ : 5.72 b: 58.16 DATE: 1979/210 - 1979/210 LIVETIME: 3335.0s ROLL ANGLE: 71.0°

REF/ID: ! FIELD FLAGS: CL

NH: 1.7E+20

SIZE RECO SRC RA COUNT NET BKG S/N D CAT FLD DEC ± \pm RATE CTS CTS COR FLG # (1950)(1950)14 42 50.1 10 11 13 0.0178 0.0037 44.0 17.0 4.7 0.8 0 Α Q 3326 2.3

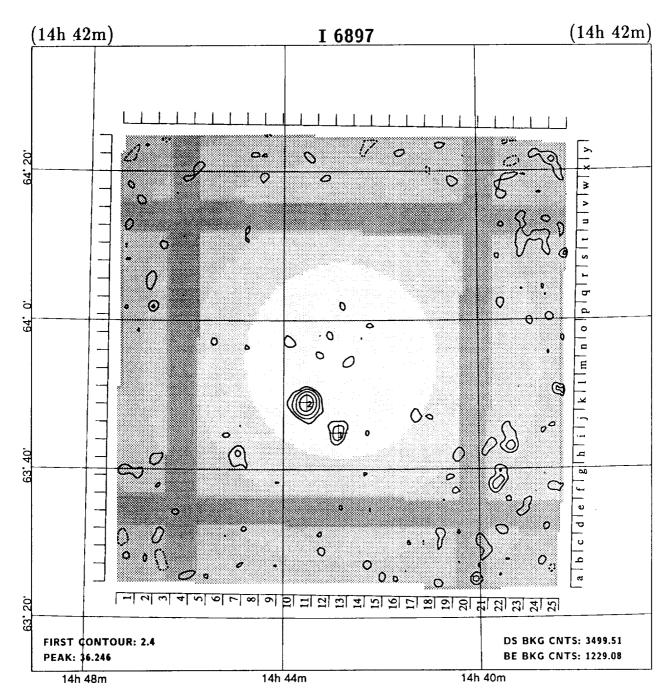


Epsil. BOO

FIELD CENTER: $14^{h}42^{m}48.0^{s}$ $27^{\circ}16'59''$ (B1950) $14^{h}44^{m}59.2^{s}$ $27^{\circ}04'23''$ (J2000) ℓ : 39.38 b: 64.78

DATE: 1980/ 21 - 1980/ 22 LIVETIME: 6052.2s ROLL ANGLE: -111.0° NH: 2.3E+20 REF/ID: FIELD FLAGS:

CAT	FLD	RA	DEC	±	COUNT	±	NET	BKG	S/N	SIZE	RECO	R'	SRC	ID
#	#	(1950)	(1950)	"	RATE		стѕ	CTS		COR			FLG	
3329	1	14 43 51.2	27 42 18	55	*0.0109	0.0029	22.2	11.8	3.8	0.9	602	29.1	Н	
3332	2	14 44 48.6	27 18 16	50	*0.0195	0.0031	48.3	10.7	6.3	1.0	704	26.9	н	



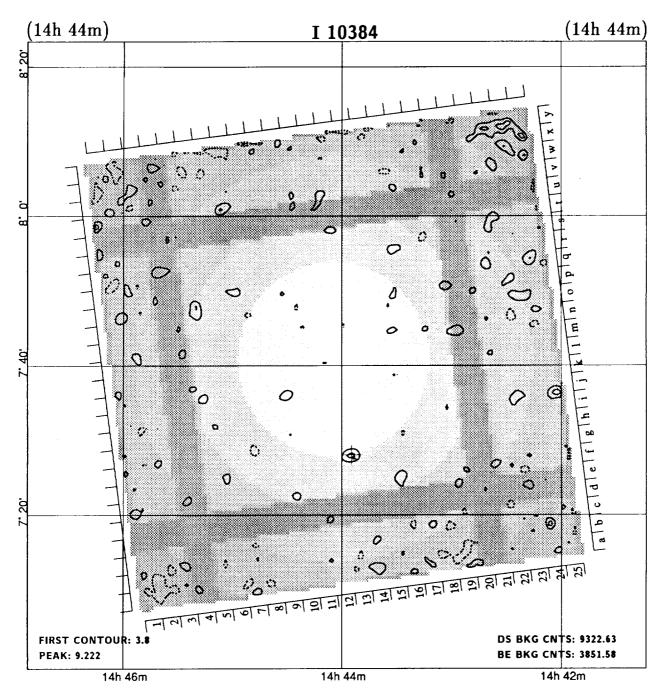
A1969, CLUSTER LUMINOSITIES @ Z=0.25.

FIELD CENTER: 14^h 42^m 48.0^s 63°54′59″ (B1950)

 $14^{h}43^{m}52.9^{s} 63^{o}42'21'' (J2000)$ ℓ : 104.32 b: 49.16 DATE: 1981/ 40 - 1981/ 40

LIVETIME: 2835.7s ROLL ANGLE: -89.1° NH: 1.7E+20 REF/ID: FIELD FLAGS:

RECO COUNT NET BKG S/N SIZE SRC ID CAT FLD RA DEC \pm \pm RATE CTS COR FLG # (1950) (1950)CTS 0.0154 0.0033 29.4 0.9 0 10.3 Н 14 42 52.5 63 44 56 10.6 4.7 3327 1 Н 3328 14 43 31.3 63 49 01 0.0710 0.0063 139.6 12.4 11.3 1.1 0 7.8



CLUSTERS W/STEEP SPECTRUM RADIO SOURCES: TARGET 12

FIELD CENTER: 14h44m03.1 07041'21" (B1950) 14h46m31.0 07°28'49" (J2000)

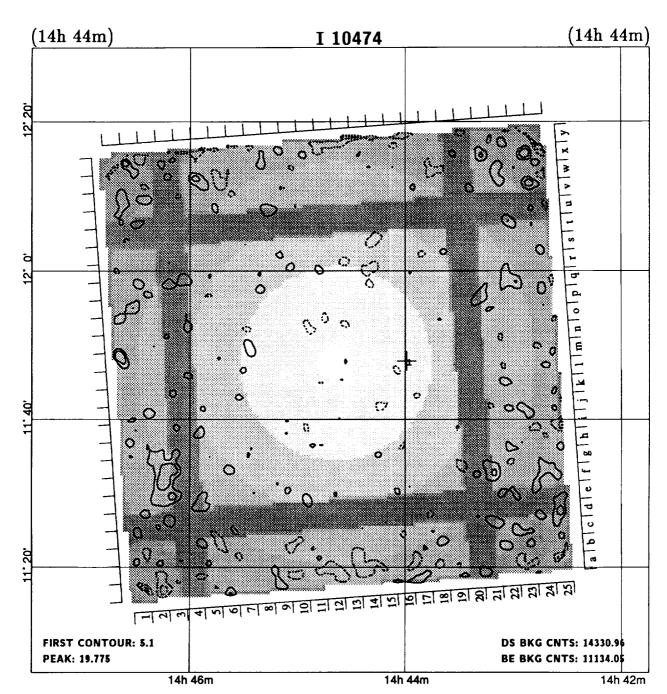
ℓ: 2.49 b: 56.39

DATE: 1981/ 54 - 1981/ 54 LIVETIME: 7554.4s

ROLL ANGLE: -97.3°

NH: 2.3E+20 REF/ID: FIELD FLAGS: L

FLD RA DEC COUNT NET BKG S/N SIZE RECO SRC ID CAT \pm COR FLG (1950) (1950) RATE CTS CTS 13.5 3330 1L 14 43 54.6 07 28 02 0.0073 0.0019 34.5 20.5 3.8 0.6



56-21-381, HP, POOR CLUSTER SURVEY

FIELD CENTER: 14h44m36.0s 11047'59" (B1950)

14^h47^m00.6^s 11°35'28" (J2000)

ℓ: 8.78 b: 58.75

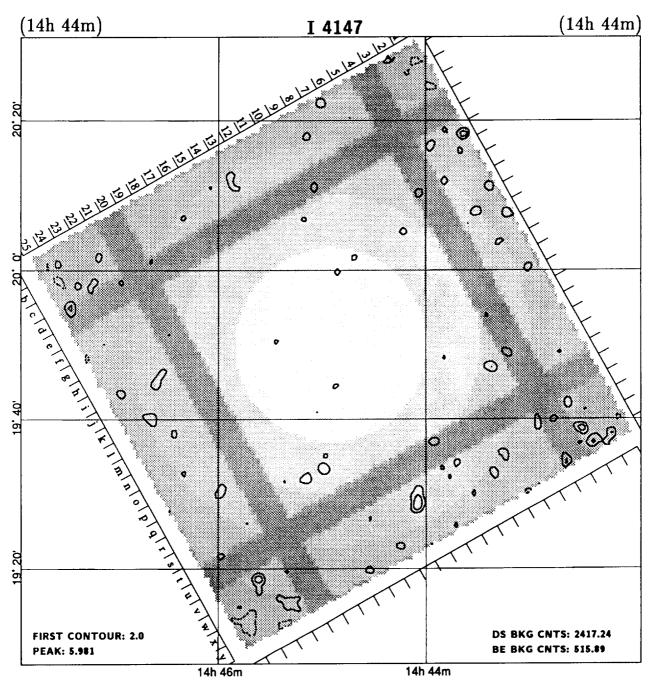
DATE: 1981/ 56 - 1981/ 56 LIVETIME: 11612.8s

ROLL ANGLE: -94.0°

NH: 1.7E+20 REF/ID:

FIELD FLAGS: L

CAT FLD RA DEC COUNT NET SIZE R' SRC ID \pm ± BKG S/N RECO (1950) (1950)RATE CTS CTS COR FLG 3331 1L 14 43 59.2 11 47 50 0.0048 0.0013 37.7 59 34.3 3.5 0.2 0 9.0



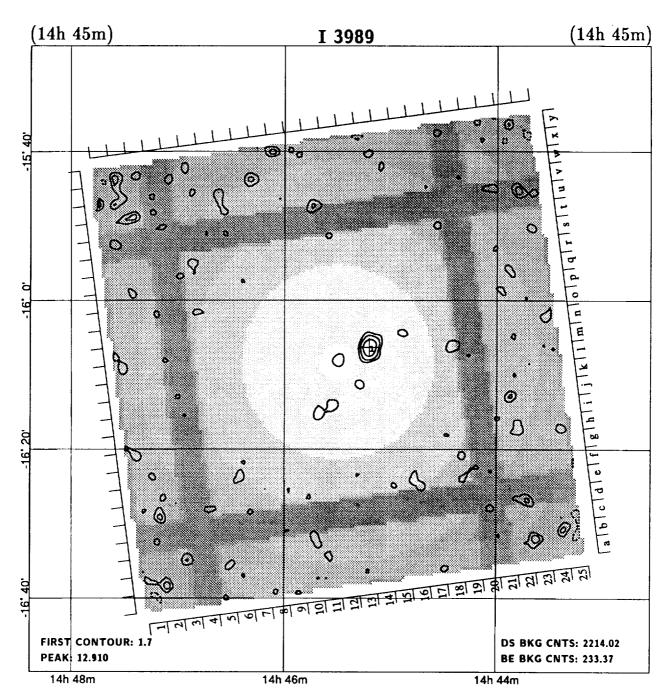
H1444+19 POSITION

FIELD CENTER: 14h44m55.2 19049'11" (B1950) 14h47m13.1s 19°36'41" (J2000)

ℓ: 23.33 b: 62.46

DATE: 1979/191 - 1979/191 LIVETIME: 1958.8. ROLL ANGLE: 60.9°

NH: 2.3E+20 REF/ID: FIELD FLAGS:



1445-161, OPTICALLY-QUIET COMPACT RADIO SOURCE

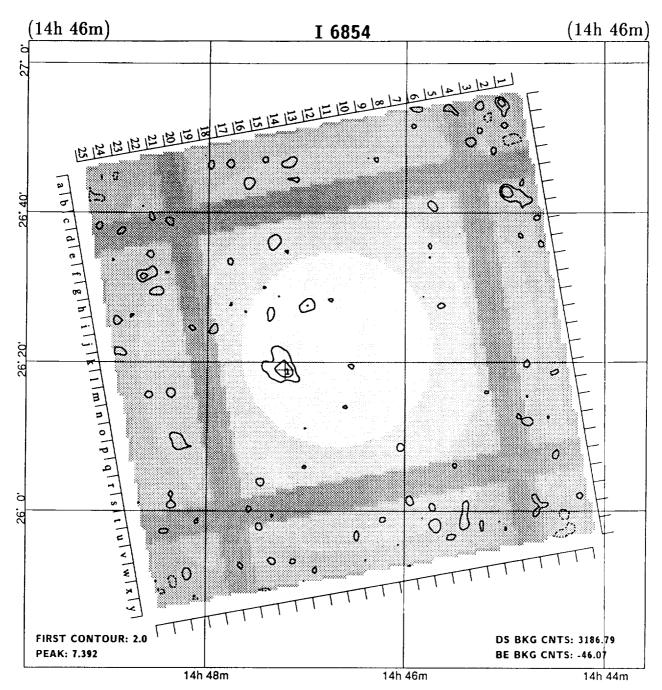
FIELD CENTER: 14^h45^m28.2^s -16°07'52" (B1950) 14^h48^m14.9^s -16°20'20" (J2000)

14"48""14.9" -16"20'20" (J200 *l*: 339.45 *b*: 38.11 DATE: 1980/ 44 - 1980/ 44 LIVETIME: 1794.1s

ROLL ANGLE: -97.5°

NH: 7.7E+20 REF/ID: FIELD FLAGS:

	CAT	FLD	RA	DEC	±	COUNT	±	NET	BKG	S/N	SIZE	RECO	R'	SRC	ID
Į	#	#	(1950)	(1950)	"	RATE		CTS	CTS		COR			FLG	
	3333	1	14 45 12.0	-16 06 13	35	0.0378	0.0057	48.5	5.5	6.6	1.0	0	4.2	Н	



C1 1446+26,OBSERVATIONS OF BUTCHER-OEMLER CLUSTERS

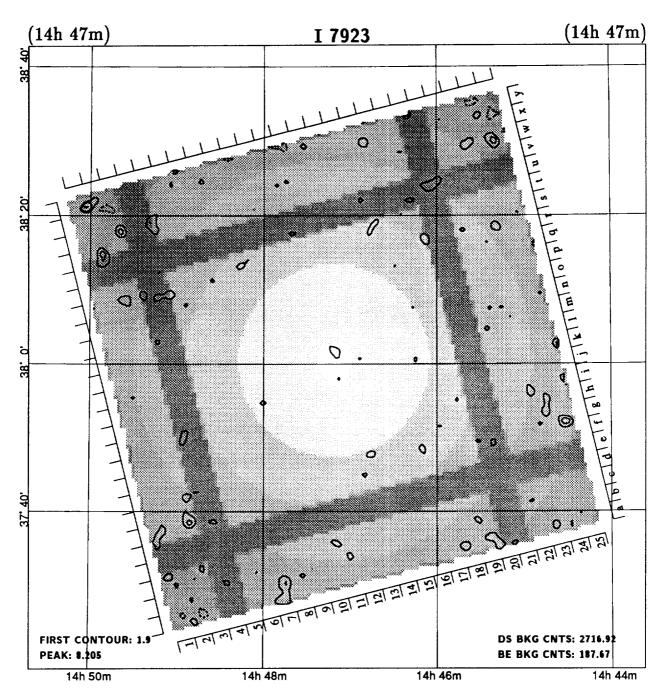
FIELD CENTER: 14^h46^m42.0^s 26°20'59" (B1950) 14^h48^m53.7^s 26°08'34" (J2000)

ℓ: 37.53 b: 63.79

DATE: 1980/223 - 1980/224

LIVETIME: 2582.3s ROLL ANGLE: 79.9° NH: 2.7E+20 REF/ID: FIELD FLAGS:

CAT	FLD	RA	DEC	±	COUNT	±	NET	BKG	S/N	SIZE	RECO	R'	SRC	ID
#	#	(1950)	(1950)	"	RATE		CTS	CTS		COR			FLG	
3335	1	14 47 12.8	26 18 57	42	0.0152	0.0033	27.1	6.9	4.6	1.5	0	7.2	Н	



HD 130817, CORONAL ACTIVITY IN F,G, & K STARS

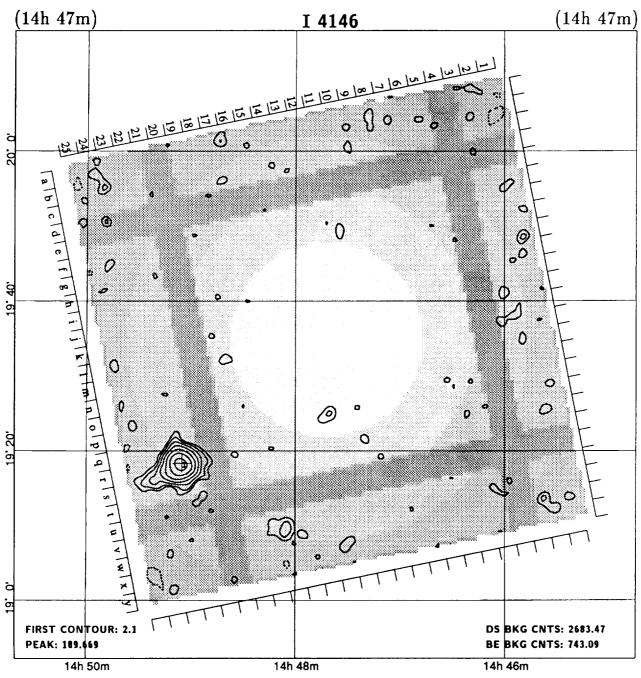
FIELD CENTER: 14^h47^m08.9^s 38°00'58" (B1950) 14^h49^m07.8^s 37°48'34" (J2000)

ℓ: 63.78 b: 63.12

DATE: 1981/ 29 - 1981/ 29 LIVETIME: 2201.6s

ROLL ANGLE: -104.0°

NH: 1.1E+20 REF/ID: FIELD FLAGS:

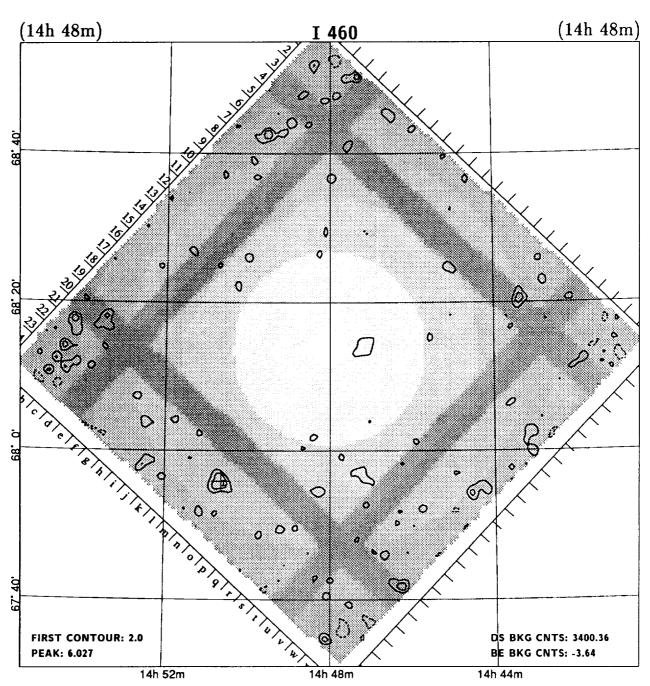


H1444+19 POSITION

FIELD CENTER: $14^h 47^m 43.2^s$ $19^\circ 34'11''$ (B1950) $14^h 50^m 01.1^s$ $19^\circ 21' 49''$ (J2000) ℓ : 23.35 b: 61.75

DATE: 1980/224 - 1980/224 LIVETIME: 2174.56 ROLL ANGLE: 78.6° NH: 2.4E+20 REF/ID: FIELD FLAGS:

CAT	FLD	RA	DEC	±	COUNT	±	NET	BKG	S/N	SIZE	RECO	R'	SRC	ID
#	#	(1950)	(1950)	"	RATE		CTS	CTS		COR			FLG	
3337	1	14 49 05.3	19 18 20	47	0.530	0.024	481.9	5.1	21.8	1.6	0	25.1	AH	S



SHAH ABNORMAL GALAXIES SURVEY

FIELD CENTER: 14^h48^m00.0^s 68°12'59" (B1950) 14^h48^m42.3^s 68°00'36" (J2000)

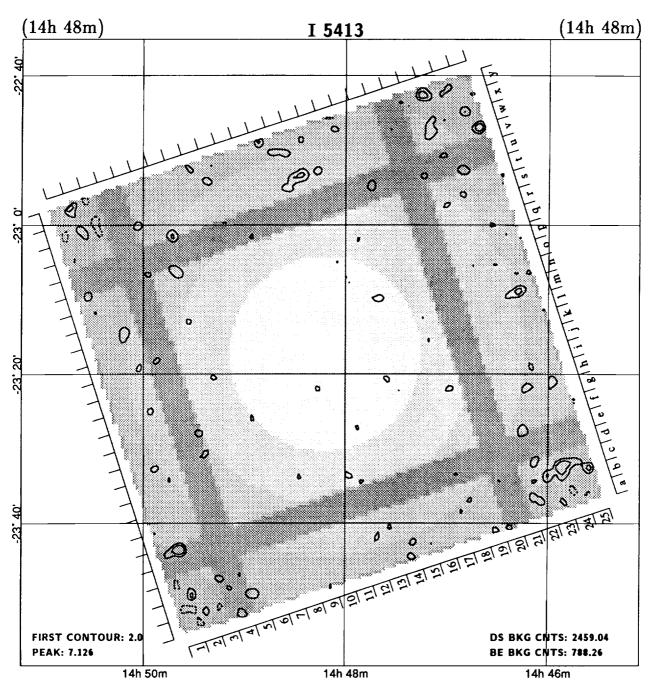
ℓ: 107.77 b: 45.51

DATE: 1979/172 - 1979/172 LIVETIME: 2755.4s

ROLL ANGLE: 43.1°

NH: 1.8E+20 REF/ID: FIELD FLAGS:

CAT	FLD	RA	DEC	±	COUNT	±	NET	BKG	S/N	SIZE	RECO	R'	SRC	ID
#	#	(1950)	(1950)	"	RATE		CTS	CTS		COR			FLG	
3340	1	14 50 38.2	67 55 51	56	0.0153	0.0040	19.4	5.6	3.9	0.9	0	22.9	Н	



1448-232,QSO'S WITH RADIO FLAT SPECTRUM

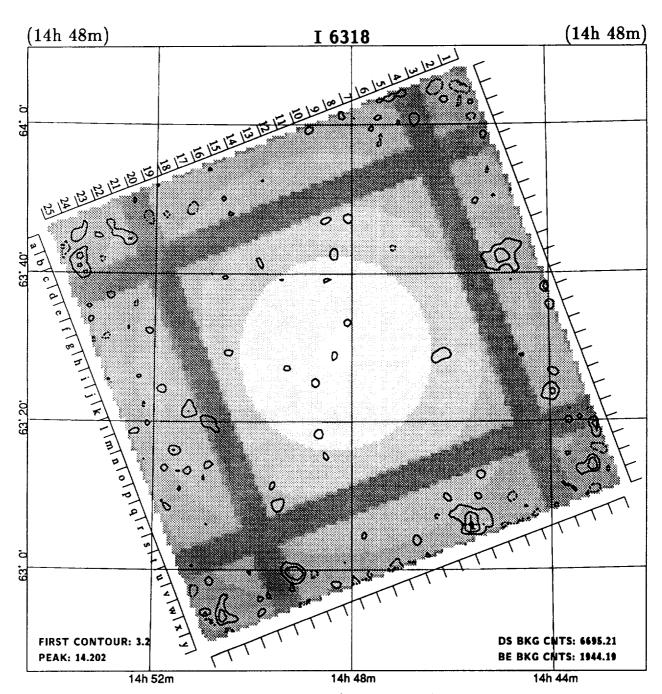
FIELD CENTER: 14^h48^m09.3^s -23^o17'09" (B1950) DATE: 14^h51^m02.5^s -23^o29'30" (J2000) LIVETII

ℓ: 335.44 b: 31.72

DATE: 1981/ 41 - 1981/ 41 LIVETIME: 1992.6s

ROLL ANGLE: -108.0°

NH: 8.7E+20 REF/ID: FIELD FLAGS: L

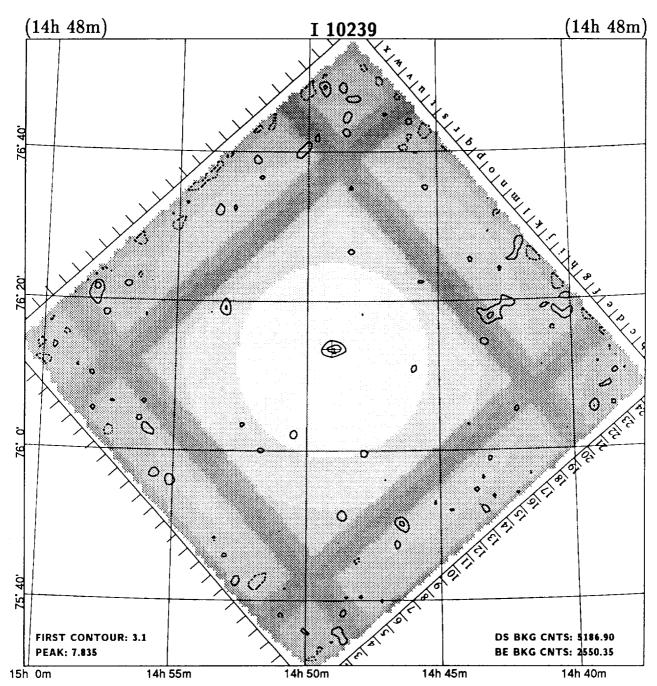


3CR 305, 3CR RADIO GAL. W/SEYFERT-LIKE OPT. SPECTRA

FIELD CENTER: 14^h48^m17.6^s 63°28'35" (B1950) 14^h49^m21.8^s 63°16'13" (J2000) ℓ: 103.18 b: 49.09

DATE: 1980/205 - 1980/205 LIVETIME: 5425.3s ROLL ANGLE: 69.1° NH: 1.7E+20 REF/ID: FIELD FLAGS:

CAT	FLD	RA	DEC	±	COUNT	±	NET	BKG	S/N	SIZE	RECO	R'	SRC	ID]
#	#	(1950)	(1950)	"	RATE		стѕ	CTS		COR			FLG	
3334	1	14 45 37.2	63 06 03	55	0.0110	0.0031	21.4	14.6	3.6	1.7	200	28.8	Н	\Box



EXTENDED EMISSION IN BL LAC OBJECTS

FIELD CENTER: 14^h48^m58.6^s 76°13'12" (B1950) 14^h48^m30.8^s 76°00'50" (J2000)

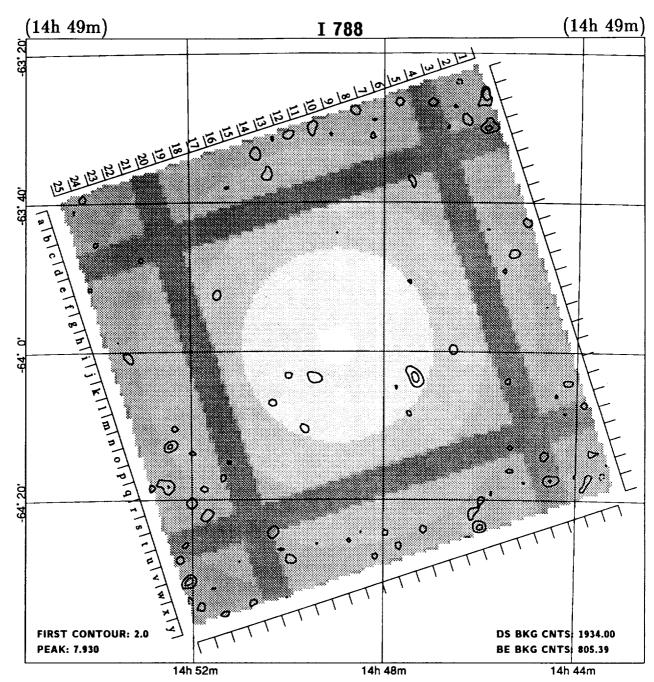
ℓ: 114.18 b: 39.06

DATE: 1980/356 - 1980/356 LIVETIME: 4203.2s

ROLL ANGLE: -131.4°

NH: 3.0E+20 REF/ID: FIELD FLAGS: L

Γ	CAT	FLD	RA	DEC	±	COUNT	±	NET	BKG	S/N	SIZE	RECO	R'	SRC	ID
	#	#	(1950)	(1950)	"	RATE		CTS	CTS		COR			FLG	
Γ	3336	1L	14 49 04.1	76 13 39	36	0.0107	0.0029	33.3	21.7	3.6	0.7	0	0.5		



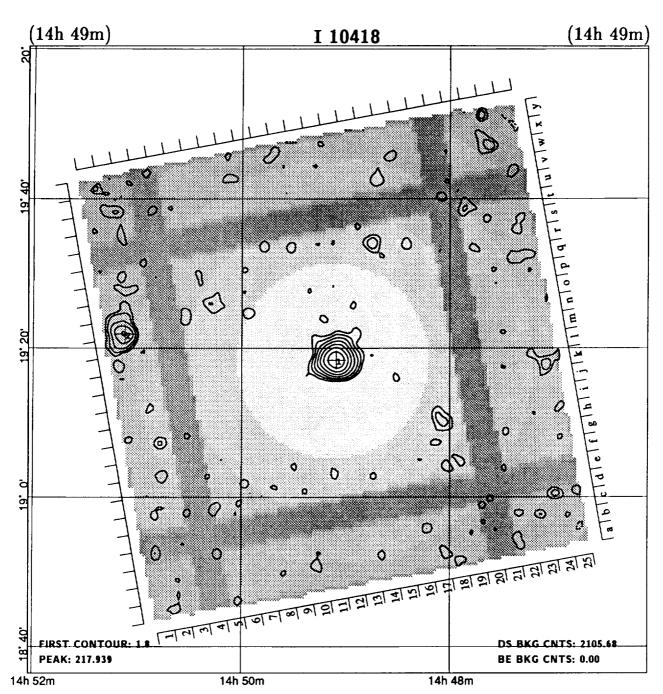
PSR 1449-64 RADIO PULSARS, SEARCH FOR X-RAY EMISSION

FIELD CENTER: 14h49m00.0s -63°59'59" (B1950) 14h53m07.2s -64°12'15" (J2000)

ℓ: 315.70 b: -4.39

DATE: 1980/228 - 1980/228 LIVETIME: 1567.2s ROLL ANGLE: 72.1°

NH: 1.2E+21 REF/ID: FIELD FLAGS:



XI BOO A,B FIELDS & CORONAE IN LATE-TYPE STARS

FIELD CENTER: 14^h49^m04.8^s 19^o18'26" (B1950) 14^h51^m22.8^s 19^o06'08" (J2000)

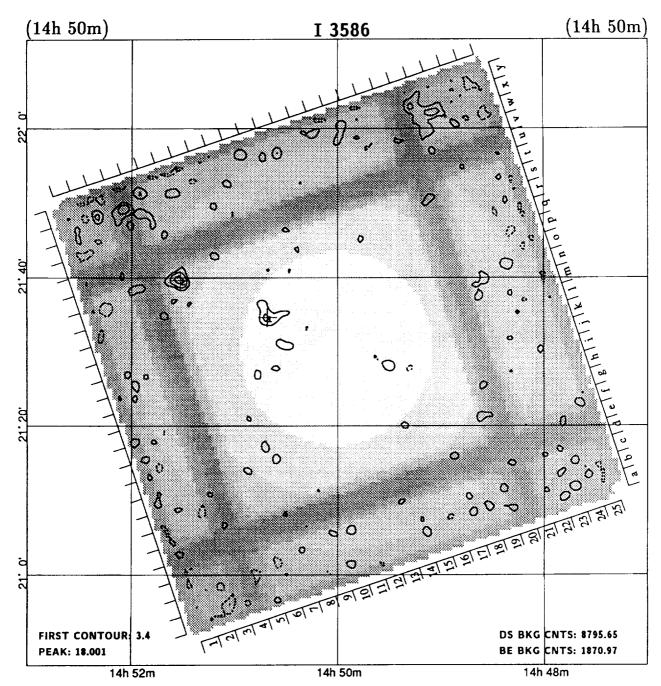
ℓ: 23.09 b: 61.36

DATE: 1981/ 24 - 1981/ 24 LIVETIME: 1706.3s

ROLL ANGLE: -100.2°

NH: 2.5E+20 REF/ID: S FIELD FLAGS: L

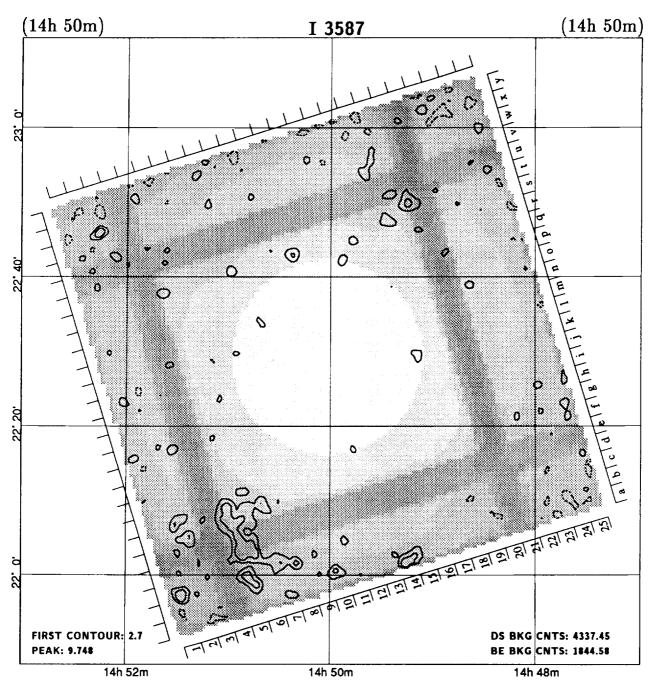
	CAT	FLD	RA	DEC	±	COUNT	±	NET	BKG	S/N	SIZE	RECO	R'	SRC	ID
	#	#	(1950)	(1950)	"	RATE		CTS	CTS		COR			FLG	
ĺ	3337	1L	14 49 05.3	19 18 22	31	0.628	0.028	799.4	144.6	22.6	1.3	0	0.3	Α	S
Į	3344	2L	14 51 07.3	19 21 54	50	0.078	0.015	49.6	15.4	5.1	1.4	0	29.3		S



4U 1456+22 SUPERCLUSTER STUDY

FIELD CENTER: 14^h50^m00.0^s 21°29'59" (B1950) 14^h52^m16.0^s 21°17'44" (J2000) £: 27.58 b: 61.91 DATE: 1979/ 27 - 1979/ 27 LIVETIME: 7127.4s ROLL ANGLE: -108.4° NH: 2.7E+20 REF/ID: FIELD FLAGS:

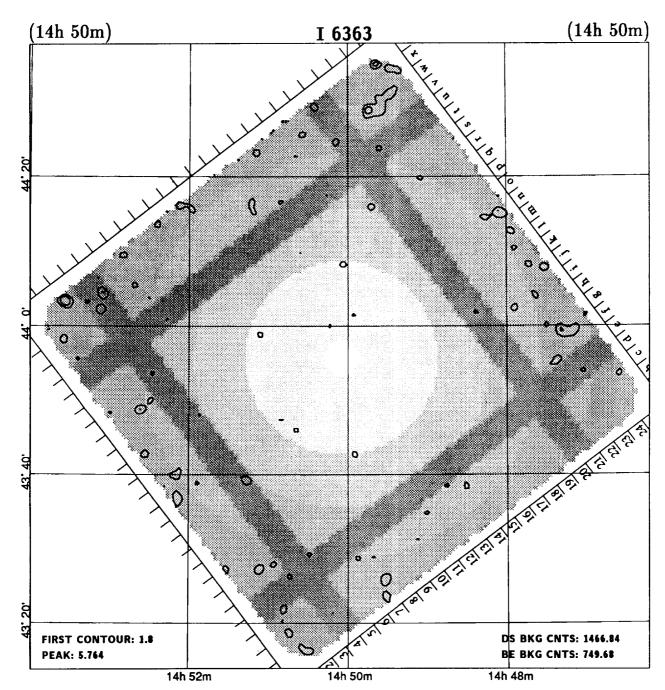
CA	T	FLD	RA	DEC	±	COUNT	±	NET	BKG	S/N	SIZE	RECO	R'	SRC	ID
#	<u> </u>	#	(1950)	(1950)	"	RATE		CTS	CTS		COR			FLG	
334	41	1	14 50 41.2	21 34 41	43	0.0058	0.0015	27.7	25.3	3.8	1.0	0	11.2		
334	46	2	14 51 31.8	21 39 37	51	0.0110	0.0022	36.3	16.7	5.0	0.8	700	23.6	Н	



4U 1456+22 SUPERCLUSTER STUDY

FIELD CENTER: 14^h50^m00.0^s 22^o29'59" (B1950) DATE: 1979/ 14^h52^m15.0^s 22^o17'44" (J2000) LIVETIME: 3 ℓ: 29.62 b: 62.21 ROLL ANGLI

DATE: 1979/ 30 - 1979/ 30 LIVETIME: 3514.8s ROLL ANGLE: -107.0° NH: 2.7E+20 REF/ID: FIELD FLAGS: L



A 1450+43, EMISSION LINE GALAXY SURVEY

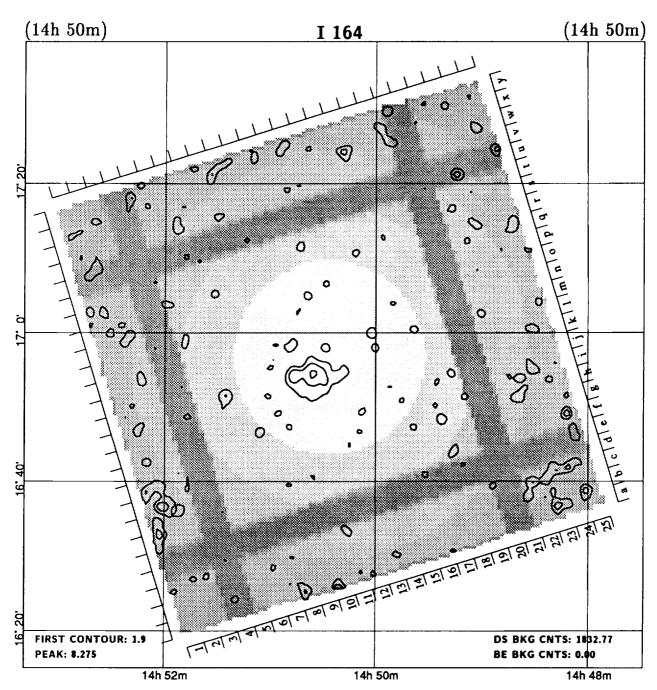
FIELD CENTER: 14^h50^m06.0^s 43°55'59" (B1950) 14^h51^m56.2^s 43°43'44" (J2000)

ℓ: 75.25 b: 60.63

DATE: 1980/ 2 - 1980/ 2 LIVETIME: 1188.6s

ROLL ANGLE: -127.1°

NH: 1.8E+20 REF/ID: FIELD FLAGS:



A1983 CLUSTER SURFACE BRIGHTNESS

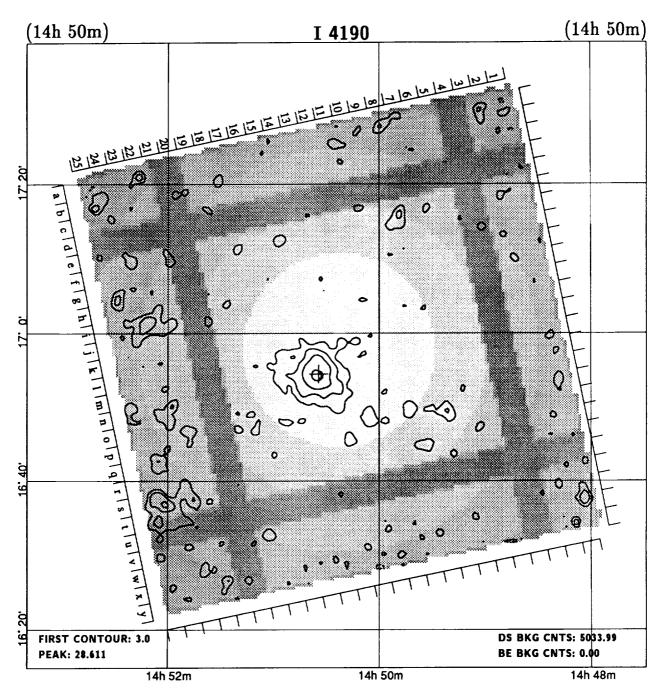
FIELD CENTER: 14h50m24.0 16°56'59" (B1950) 14h52m44.0s 16°44'45" (J2000)

ℓ: 18.94 b: 60.12

DATE: 1979/ 30 - 1979/ 30 LIVETIME: 1485.2s

REF/ID: ROLL ANGLE: -107.0° FIELD FLAGS: CLS

NH: 2.1E+20



A 1983, CLUSTER WITH WELL-STUDIED OPTICAL PROPERTIES

FIELD CENTER: 14^h50^m24.0^s 16°56'59" (B1950) 14^h52^m44.0^s 16°44'45" (J2000)

l: 18.94 b: 60.12

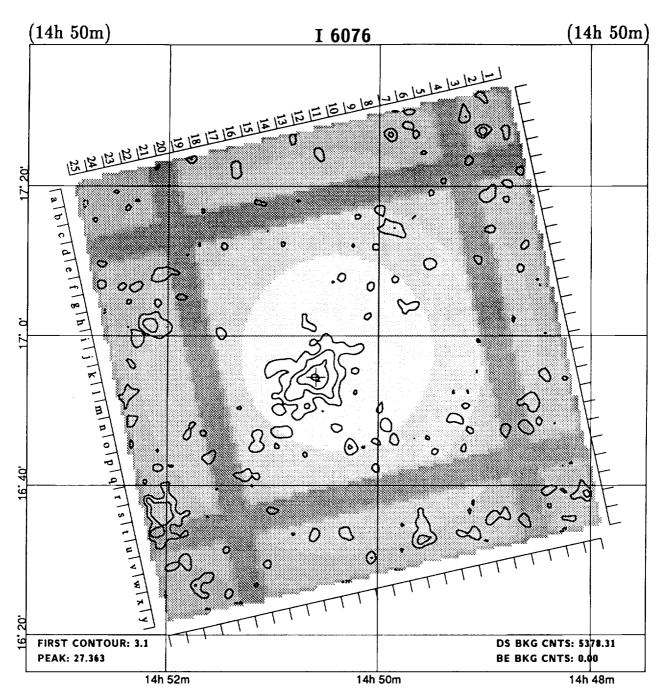
DATE: 1979/225 - 1979/225 LIVETIME: 4079.26

ROLL ANGLE: 78.3°

NH: 2.1E+20 REF/ID:

FIELD FLAGS: CL

COUNT NET BKG S/N SIZE RECO SRC ID CAT FLD RA DEC \pm (1950) RATE **CTS CTS** COR FLG (1950)CLG 0.0228 0.0051 67.0 76.0 3.4 Α 3339 1L 14 50 34.5 16 54 29 4.4 0 3.6



A1983, DETAILED STUDY OF CLUSTER EXTENTS

FIELD CENTER: 14h50m24.0 16°56'59" (B1950)

14h52m44.0s 16°44'45" (J2000)

ℓ: 18.94 b: 60.12

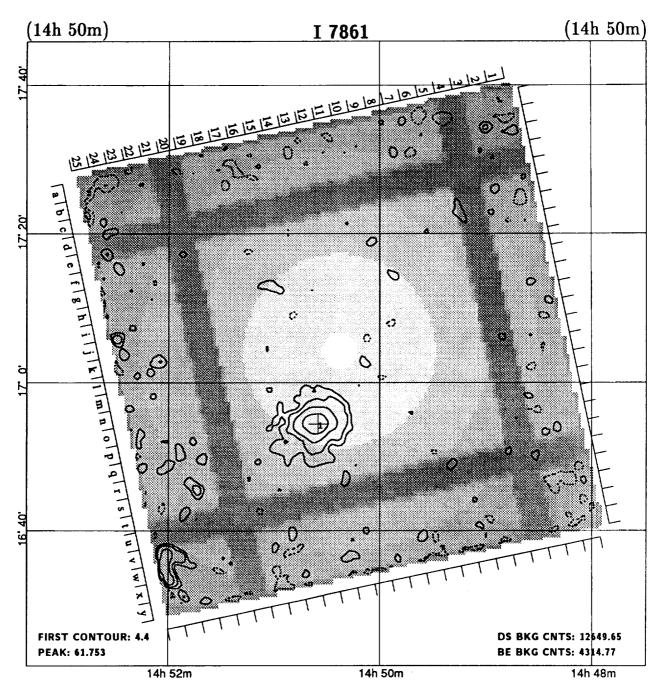
DATE: 1980/224 - 1980/224 LIVETIME: 4358.2s

ROLL ANGLE: 77.4°

NH: 2.1E+20 REF/ID:

FIELD FLAGS: CL

CAT DEC COUNT FLD RA \pm NET BKG S/N SIZE RECO SRC ID " (1950) (1950)**RATE** CTS CTS COR FLG 3339 14 50 35.5 0.0231 0.0044 1L 16 54 31 72.4 57.6 3.4 CLG 31 5.1 0 3.6 Α



ABELL 1983, IRREG CLUSTERS OF GALAXIES NOT YET IN DYNAMICAL EQ

FIELD CENTER: 14h50m24.6 1700351" (B1950) 14h52m44.5 16°51'37" (J2000)

ℓ: 19.15 b: 60.16

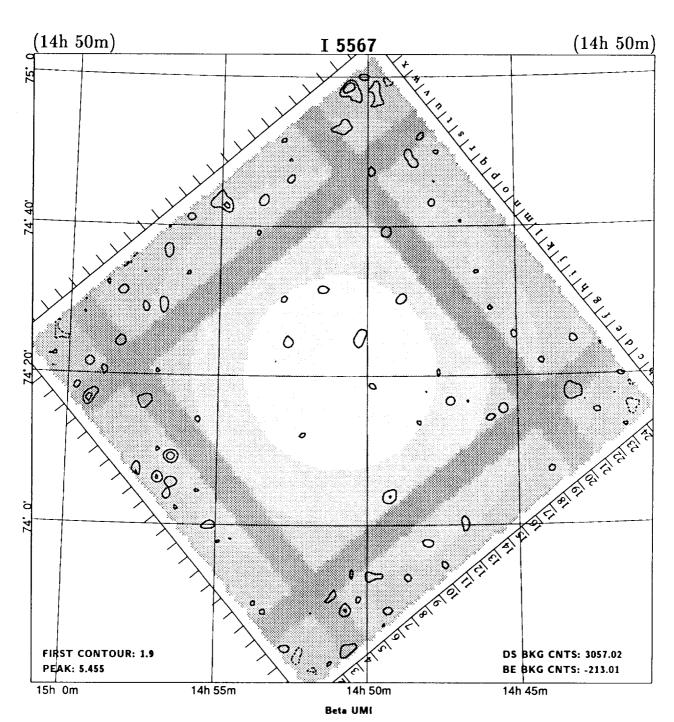
DATE: 1980/224 - 1980/225

LIVETIME: 10250.4s

NH: 2.1E+20 REF/ID: FIELD FLAGS: L

ROLL ANGLE: 78.1°

CAT	FLD	RA	DEC	±	COUNT	±	NET	BKG	S/N	SIZE	RECO	R′	SRC	ID
#	#	(1950)	(1950)	"	RATE		CTS	CTS		COR			FLG	
3339	1L	14 50 35.2	16 54 22	38	0.0215	0.0032	145.7	157.3	6.7	3.3	0	9.8	Α	CLG



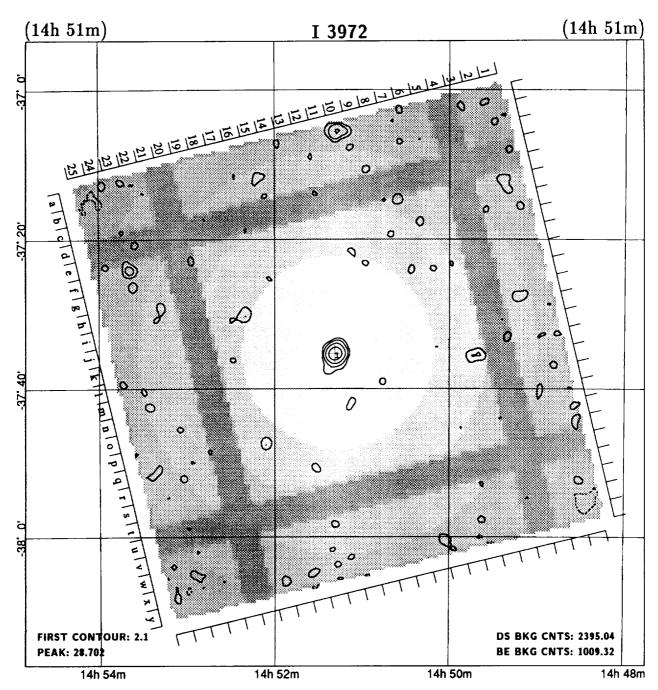
FIELD CENTER: 14^h50^m51.0^s 74°20'59" (B1950) 14^h50^m44.1^s 74°08'43" (J2000)

l: 112.64 b: 40.51

DATE: 1980/ 1 - 1980/ 1 LIVETIME: 2477.2s

LIVETIME: 2477.2s REF/ID:
ROLL ANGLE: -129.4° FIELD FLAGS:

NH: 2.4E+20

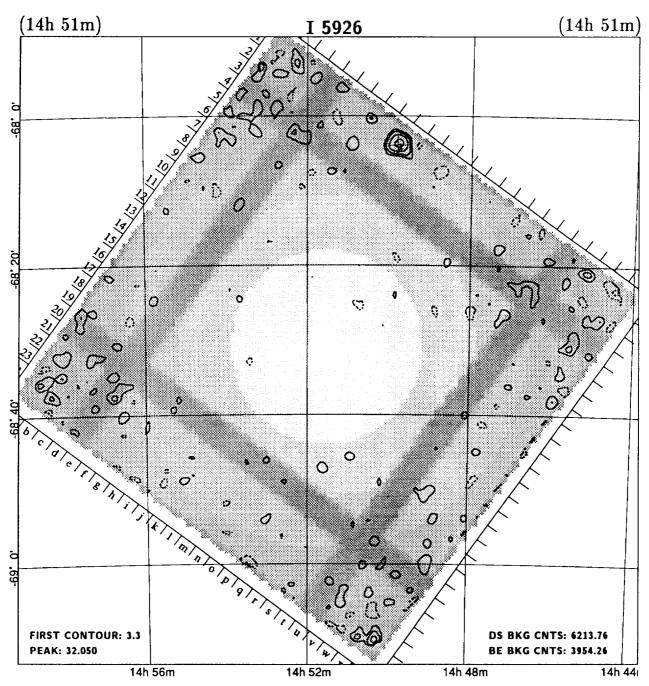


1451-375, BRIGHT NEARBY QUASAR

FIELD CENTER: $14^h51^m18.3^s -37^\circ35'22''$ (B1950) $14^h54^m27.4^s -37^\circ47'33''$ (J2000) ℓ : 328.23 b: 18.96

DATE: 1979/213 - 1979/213 LIVETIME: 1940.8s ROLL ANGLE: 76.6° NH: 6.3E+20 REF/ID: FIELD FLAGS: L

CAT	FLD	RA	DEC	±	COUNT	±	NET	BKG	S/N	SIZE	RECO	R'	SRC	D
#	#	(1950)	(1950)	"	RATE		CTS	CTS		COR			FLG	
3345	1L	14 51 18.7	-37 35 18	31	0.0736	0.0086	106.4	14.6	8.4	1.0	0	0.1		

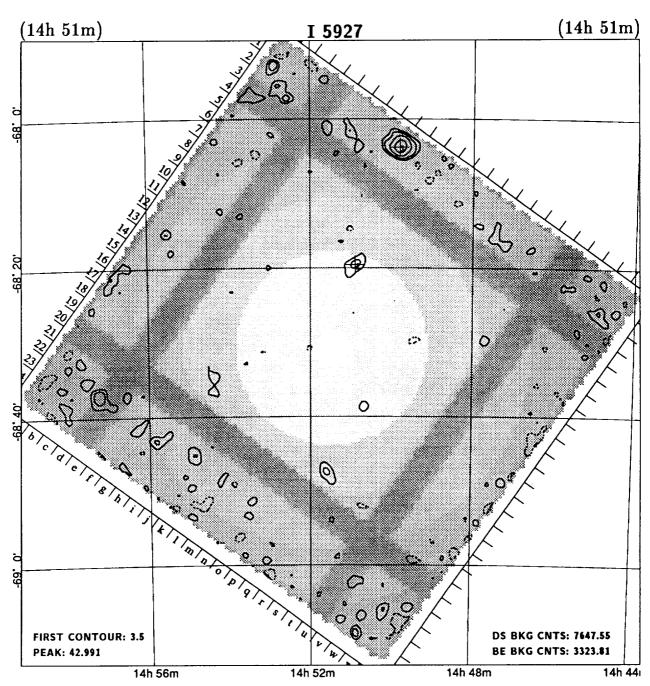


RADIO PULSAR PROJECT:

FIELD CENTER: $14^h51^m29.1^s$ -68°31'29" (B1950) $14^h56^m00.2^s$ -68°43'37" (J2000) ℓ : 313.87 b: -8.54

29" (B1950) DATE: 1980/277 - 1980/277 37" (J2000) LIVETIME: 5035.2s ROLL ANGLE: 36.1° NH: 9.6E+20 REF/ID: FIELD FLAGS: CL

CAT	FLD	RA	DEC	±	COUNT	±	NET	BKG	S/N	SIZE	RECO	R'	SRC	ID
#	#	(1950)	(1950)	"	RATE		CTS	CTS		COR			FLG	
3338	1L	14 49 48.2	-68 03 52	50	0.0321	0.0057	60.1	21.9	5.5	1.0	0	29.1	Α	

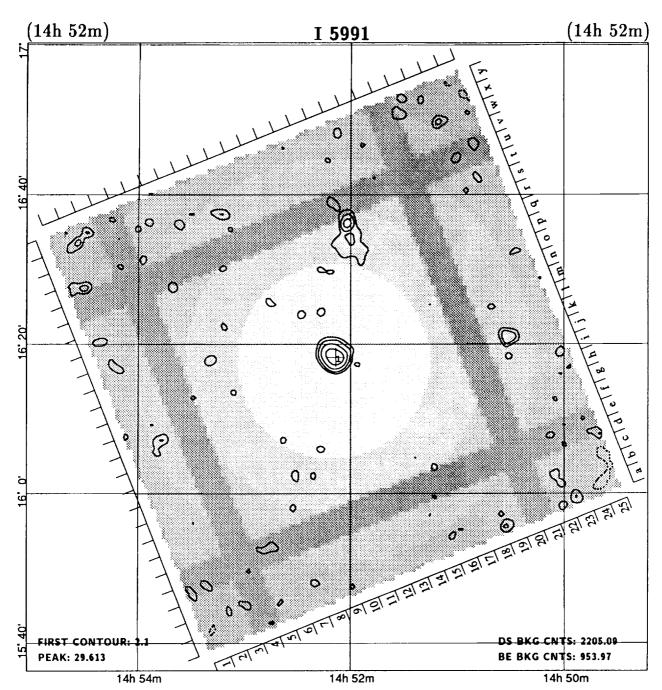


RADIO PULSAR PROJECT:

FIELD CENTER: $14^{h}51^{m}29.1^{s}$ -68°31′29″ (B1950) $14^{h}56^{m}00.2^{s}$ -68°43′37″ (J2000) ℓ : 313.87 b: -8.54

DATE: 1980/277 - 1980/277 LIVETIME: 6419.6s ROLL ANGLE: 35.7° NH: 9.6E+20 REF/ID: FIELD FLAGS: C

CAT	FLD	RA	DEC	±	COUNT	±	NET	BKG	S/N	SIZE	RECO	R'	SRC	ID
#	#	(1950)	(1950)	"	RATE		CTS	CTS		COR			FLG	
3338	1	14 49 47.7	-68 03 45	48	0.0360	0.0043	86.1	17.9	8.4	1.2	0	29.2	AH	
3342	2	14 50 53.7	-68 19 33	43	0.0077	0.0018	31.8	21.2	4.4	0.8	0	11.9	Н	



Chromospherically Active Stars: 569 (M0e)

FIELD CENTER: 14^h52^m08.0^s 16°18'17" (B1950) 14^h54^m28.4^s 16°06'08" (J2000)

ℓ: 18.15 b: 59.46

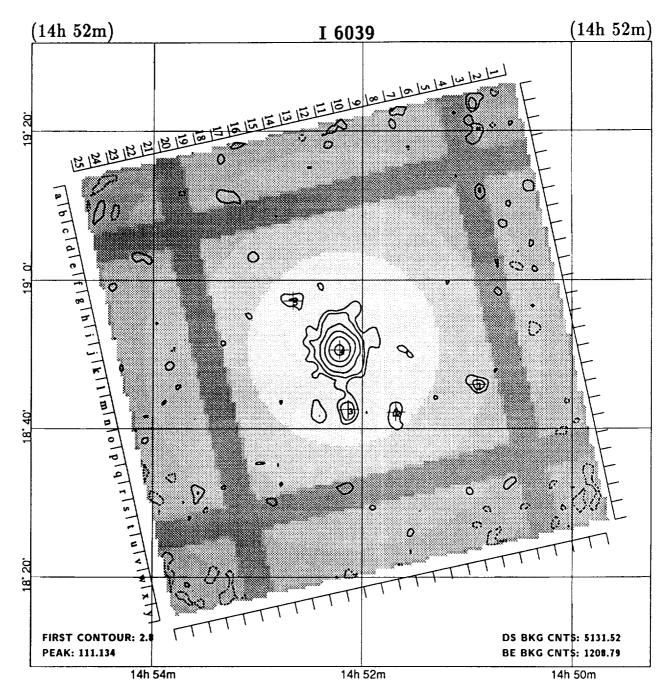
DATE: 1980/ 22 - 1980/ 22 LIVETIME: 1786.8s

ROLL ANGLE: -111.6°

NH: 2.0E+20 REF/ID:

FIELD FLAGS: LS

ſ	CAT	FLD	RA	DEC	±	COUNT	±	NET	BKG	S/N	SIZE	RECO	R'	SRC	ID
	#	#	(1950)	(1950)	"	RATE		CTS	CTS		COR			FLG	
Ī	3349	1L	14 52 08.3	16 18 15	31	0.071	0.010	94.0	38.0	6.8	1.3	0	0.5		

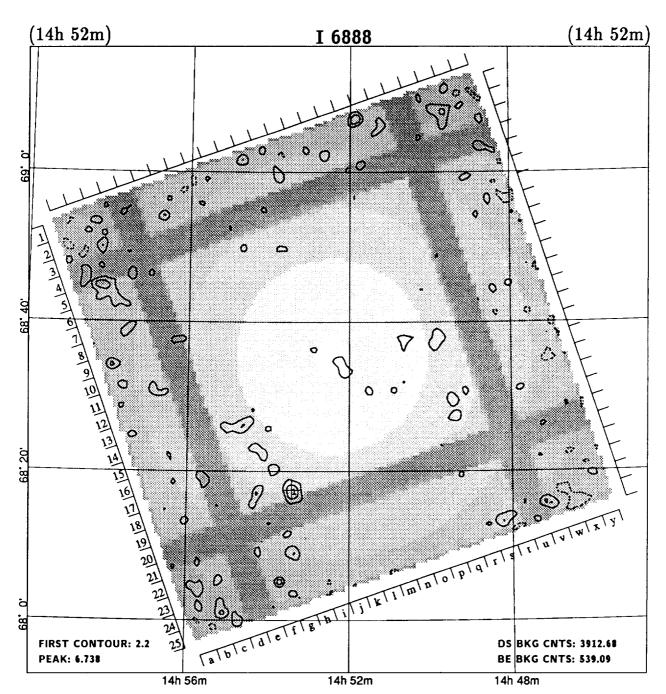


A1991, RICH CLUSTERS WITH DOMINANT GALAXIES

FIELD CENTER: $14^{h}52^{m}12.0^{s}$ $18^{o}49'59''$ (B1950) $14^{h}54^{m}30.2^{s}$ $18^{o}37'51''$ (J2000) ℓ : 22.76 ℓ : 60.50

DATE: 1980/223 - 1980/223 LIVETIME: 4158.2s ROLL ANGLE: 77.5° NH: 2.6E+20 REF/ID: FIELD FLAGS:

CAT	FLD	RA	DEC	±	COUNT	±	NET	BKG	S/N	SIZE	RECO	R'	SRC	ID
#	#	(1950)	(1950)	"	RATE		CTS	CTS		COR			FLG	
3343	1	14 50 54.2	18 45 58	55	0.0103	0.0026	22.7	10.3	3.9	0.8	0	19.0	н	
3347	2	14 51 40.8	18 42 14	45	0.0084	0.0023	22.8	16.2	3.6	0.8	0	10.6	н	
3348	3	14 52 08.2	18 42 35	41	0.0144	0.0027	41.0	16.0	5.4	26.0	0	7.4	н	
3350	4	14 52 13.2	18 50 39	31	0.1615	0.0073	500.2	16.8	22.0	2.1	0	0.8	н	CLG
3351	5	14 52 39.9	18 57 14	45	0.0088	0.0023	24.4	16.6	3.8	8.0	0	10.2		

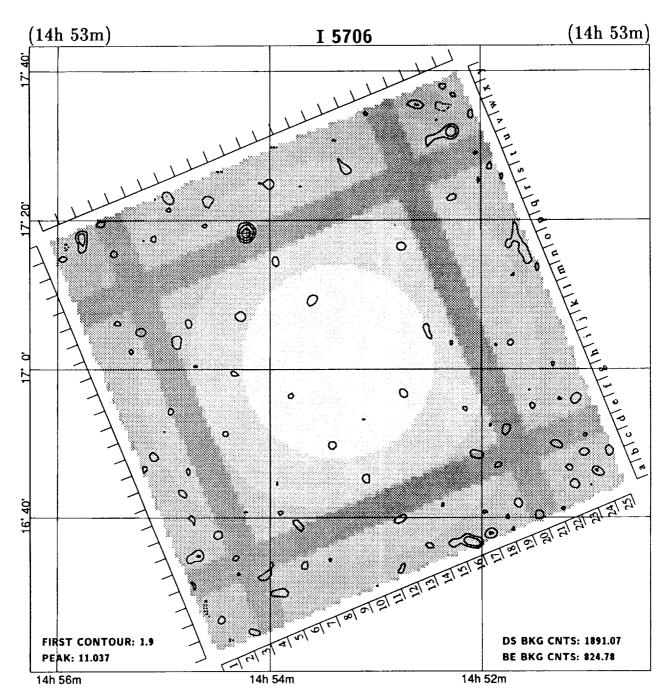


A2002, CLUSTER LUMINOSITIES @ Z=0.25.

FIELD CENTER: 14h52m18.0 68034'59" (B1950) DATE: 1980/106 - 1980/106 14h52m55.8s 68°22'48" (J2000) ℓ: 107.66 b: 44.98

NH: 2.1E+20 LIVETIME: 3284.4s REF/ID: CLG ROLL ANGLE: -19.0° FIELD FLAGS:

C#	ΑT	FLD	RA	DEC	±	COUNT	±	NET	BKG	S/N	SIZE	RECO	R'	SRC	ID
#	#	#	(1950)	(1950)	"	RATE		CTS	CTS		COR			FLG	
33	53	1	14 53 24.9	68 17 28	54	*0.0112	0.0030	19.5	8.5	3.7	0.9	601	18.6	Н	



BL LAC OBJECT

FIELD CENTER: 14^h53^m20.0^s 17°01'26" (B1950) 14^h55^m39.7^s 16°49'21" (J2000)

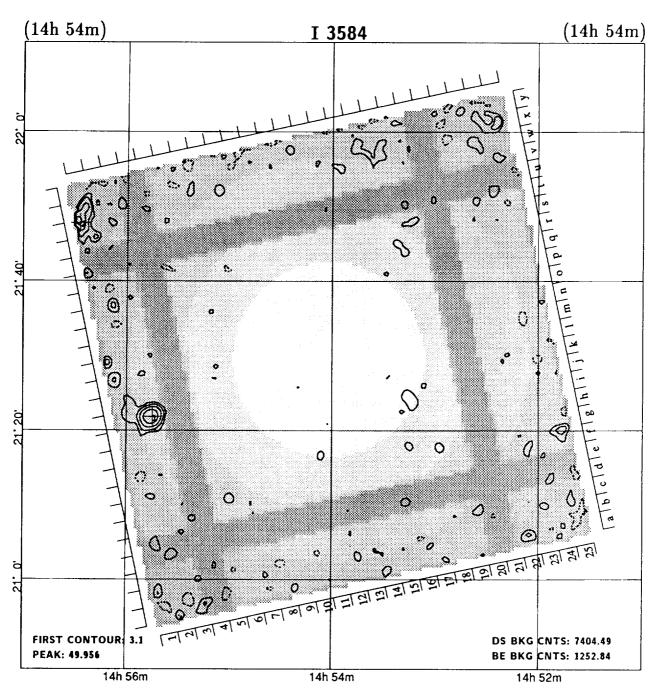
ℓ: 19.67 b: 59.51

DATE: 1980/ 21 - 1980/ 21 LIVETIME: 1532.4s

ROLL ANGLE: -112.3°

NH: 2.2E+20 REF/ID: FIELD FLAGS:

ſ	CAT	FLD	RA	DEC	±	COUNT	±	NET	BKG	S/N	SIZE	RECO	R'	SRC	ID
ı	#	#	(1950)	(1950)	"	RATE		CTS	CTS		COR			FLG	
ſ	3355	1	14 54 13.2	17 18 19	51	*0.0269	0.0064	20.1	2.9	4.2	0.7	907	21.1		



4U 1456+22 SUPERCLUSTER STUDY

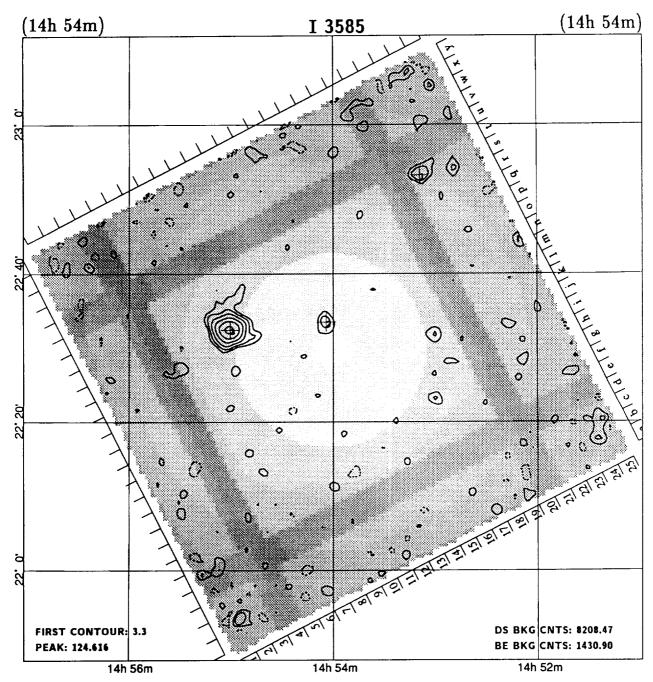
FIELD CENTER: $14^h 54^m 00.0^s$ $21^o 29' 59''$ (B1950) $14^h 56^m 15.6^s$ $21^o 17' 56''$ (J2000) ℓ : 28.18 b: 61.03

56" (J2000) LIVETIME: 6000.1s ROLL ANGLE: -102.0°

DATE: 1979/ 28 - 1979/ 28

NH: 3.0E+20 REF/ID: FIELD FLAGS:

CAT	FLD	RA	DEC	±	COUNT	±	NET	BKG	S/N	SIZE	RECO	R'	SRC	ID
#	#	(1950)	(1950)	"	RATE		стѕ	CTS		COR			FLG	
3358	1	14 55 45.0	21 21 51	48	0.0412	0.0043	105.6	15.4	9.6	1.1	300	26.0	Н	
3359	2	14 56 27.5	21 47 47	53	*0.0256	0.0054	29.0	8.0	4.8	1.5	703	38.7	AH	

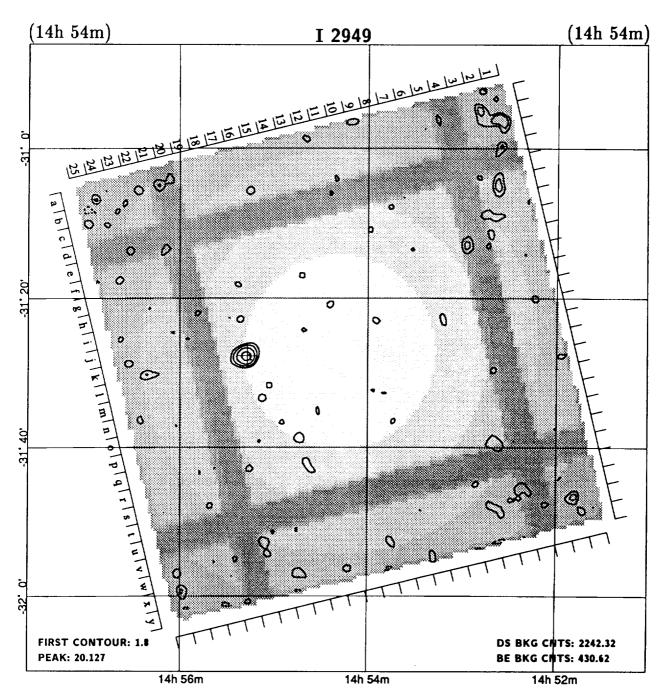


4U 1456+22 SUPERCLUSTER STUDY

FIELD CENTER: $14^h54^m00.0^s$ $22^o29'59''$ (B1950) $14^h56^m14.7^s$ $22^o17'56''$ (J2000) ℓ : 30.17 δ : 61.32

DATE: 1979/ 29 - 1979/ 29 LIVETIME: 6651.6s ROLL ANGLE: -117.1° NH: 3.1E+20 REF/ID: FIELD FLAGS:

CAT	FLD	RA	DEC	±	COUNT	±	NET	BKG	S/N	SIZE	RECO	R'	SRC	ID
#	#	(1950)	(1950)	"	RATE		стѕ	CTS		COR			FLG	
3352	1	14 53 08.8	22 53 12	52	*0.0102	0.0024	27.7	13.3	4.3	0.9	902	26.1	Н	
3354	2	14 54 04.2	22 33 33	35	0.0071	0.0016	34.3	26.7	4.4	0.7	0	3.7	н	CLG
3356	3	14 55 00.8	22 32 29	37	0.1045	0.0052	422.6	18.4	20.1	1.4	0	14.2	н	

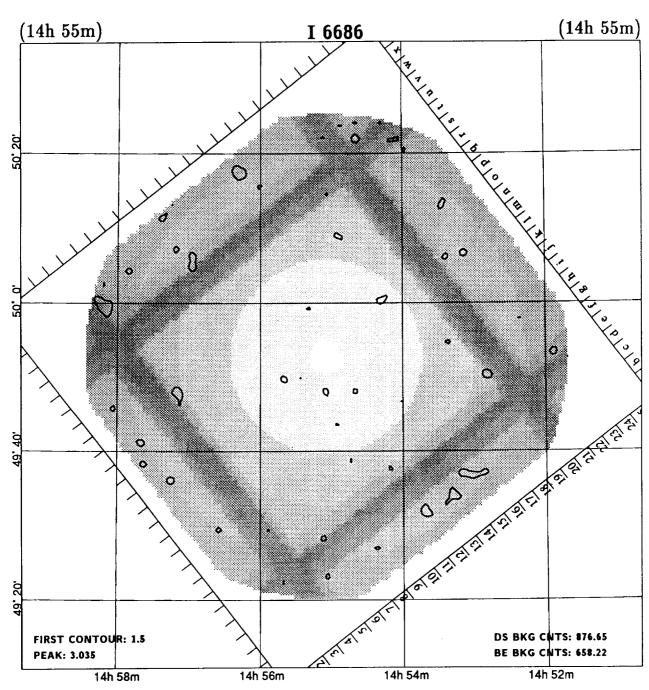


X-RAY TRANSIENTS AND NOVA-LIKE OBJECTS: CEN X-4

FIELD CENTER: $14^h54^m19.6^s$ -31°28′08″ (B1950) $14^h57^m21.8^s$ -31°40′10″ (J2000) ℓ : 332.04 δ : 23.99

DATE: 1980/210 - 1980/210 LIVETIME: 1817.0₆ ROLL ANGLE: 76.4° NH: 8.4E+20 REF/ID: FIELD FLAGS:

CAT	FLD	RA	DEC	±	COUNT	±	NET	BKG	S/N	SIZE	RECO	R'	SRC	ID
#	#	(1950)	(1950)	"	RATE		стѕ	CTS		COR			FLG	
3357	1	14 55 17.0	-31 27 47	41	0.0553	0.0072	63.4	5.6	7.6	0.9	0	12.4	Н	



GROUPS OF GALAXIES: TG 94

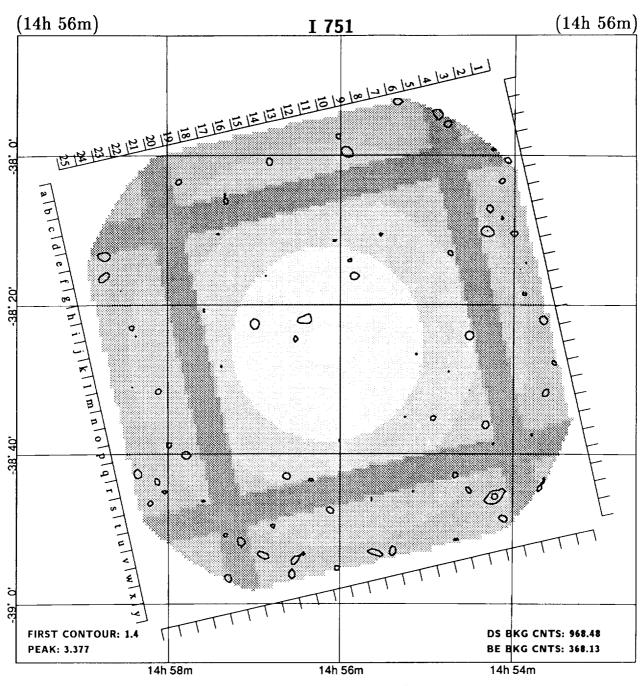
FIELD CENTER: 14^h55^m00.0^s 49°52′59" (B1950) 14^h56^m38.9^s 49°40′58" (J2000)

ℓ: 84.69 b: 57.11

DATE: 1980/ 3 - 1980/ 3 LIVETIME: 710.4s

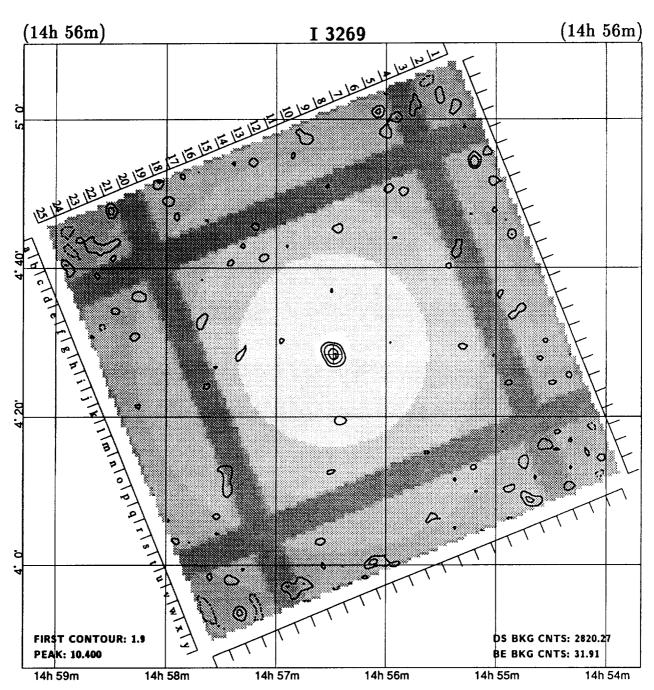
ROLL ANGLE: -127.7°

NH: 1.9E+20 REF/ID: FIELD FLAGS:



LUPUS LOOP SNR X-RAY STUDY

FIELD CENTER: $14^{h}56^{m}10.0^{s}$ -38°25′59″ (B1950) $14^{h}59^{m}21.0^{s}$ -38°37′55″ (J2000) ℓ : 328.68 b: 17.76 DATE: 1979/213 - 1979/213 LIVETIME: 784.8s ROLL ANGLE: 77.3° NH: 6.0E+20 REF/ID: FIELD FLAGS: L



1456+04: EXTRAGALACTIC STRONG MILLIMETER SOURCES

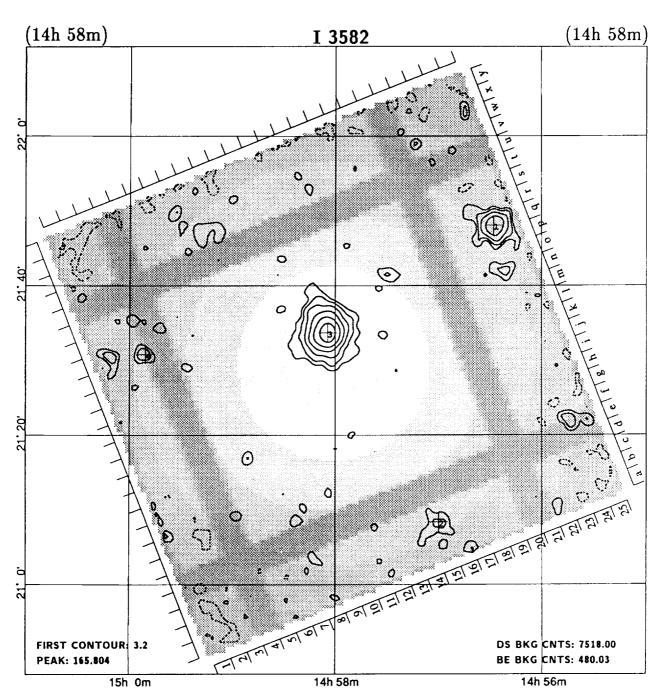
FIELD CENTER: 14^h56^m29.2^s 04°28'09" (B1950) 14^h58^m59.4^s 04°16'14" (J2000)

14^h58^m59.4^s 04°16'14" (J2000) £: 1.67 b: 51.96 DATE: 1979/202 - 1979/202 LIVETIME: 2285.36

LIVETIME: 2285.36 REF/ID:
ROLL ANGLE: 67.9° FIELD FLAGS:

NH: 3.5E+20

CAT	FLD	RA	DEC	±	COUNT	±	NET	BKG	S/N	SIZE	RECO	R'	SRC	ID
#	#	(1950)	(1950)	"	RATE		CTS	CTS		COR			FLG	
3360	1	14 56 28.8	04 28 26	35	0.0242	0.0041	41.3	6.7	6.0	0.9	0	0.4	Н	*

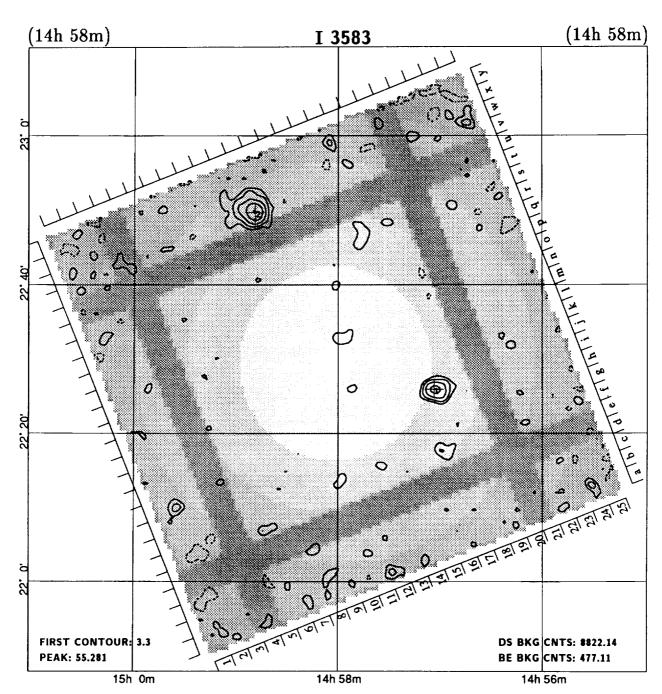


4U 1456+22 SUPERCLUSTER STUDY

FIELD CENTER: $14^h58^m00.0^s$ $21^o29'59''$ (B1950) $15^h00^m15.3^s$ $21^o18'08''$ (J2000) ℓ : 28.77 ℓ : 60.14

DATE: 1979/ 21 - 1979/ 22 LIVETIME: 6092.1s ROLL ANGLE: -111.6° NH: 3.3E+20 REF/ID: FIELD FLAGS:

CAT	FLD	RA	DEC	±	COUNT	±	NET	BKG	S/N	SIZE	RECO	R'	SRC	ID
#	#	(1950)	(1950)	"	RATE		CTS	CTS		COR			FLG	
3359	1	14 56 27.7	21 48 04	48	0.0458	0.0048	104.6	13.4	9.6	1.5	0	28.0	AH	
3361	2	14 56 59.7	21 08 21	56	0.0083	0.0023	21.5	13.5	3.6	1.3	0	25.7	н	
3363	3	14 58 04.5	21 33 44.	31	0.1680	0.0063	737.1	20.9	26.8	2.0	0	4.0	н	CLG
3368	4	14 59 50.7	21 30 49	55	*0.0091	0.0023	23.2	11.8	3.9	0.8	907	25.8	Α	



4U 1456+22 SUPERCLUSTER STUDY

FIELD CENTER: 14^h58^m00.0^s 22°29'59" (B1950) 15^h00^m14.3^s 22°18'08" (J2000)

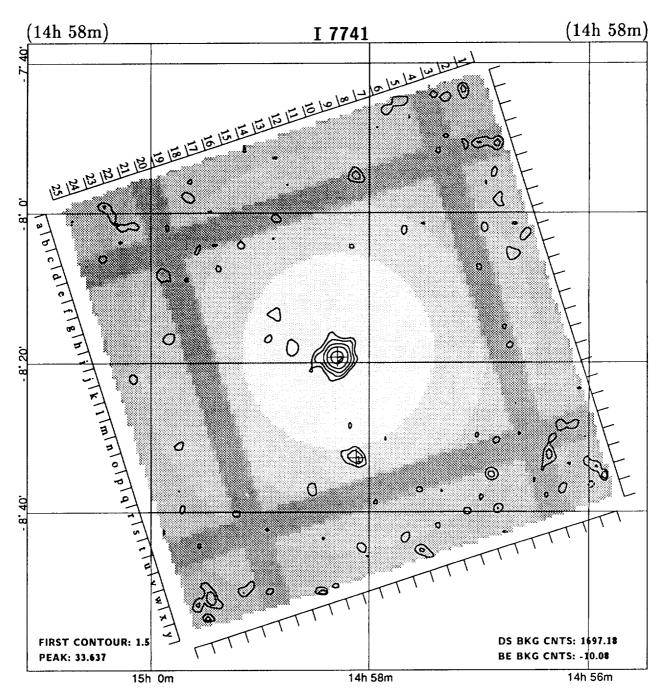
ℓ: 30.70 b: 60.44

DATE: 1979/ 22 - 1979/ 22 LIVETIME: 7148.9s

ROLL ANGLE: -111.6°

NH: 3.4E+20 REF/ID: FIELD FLAGS:

CAT	FLD	RA	DEC	±	COUNT	±	NET	BKG	S/N	SIZE	RECO	R'	SRC	ID
#	#	(1950)	(1950)	"	RATE		стѕ	CTS		COR			FLG	
3362	1	14 57 03.4	22 25 59	38	0.0237	0.0025	103.0	18.0	9.4	1.1	0	13.6	Н	S
3366	2	14 58 49.1	22 49 44	48	0.0390	0.0036	128.6	14.4	10.8	1.5	300	22.9	н	



HD 132742, INTERACTING CLOSE BINARY SYSTEMS

FIELD CENTER: 14h58m18.0s -08°19'17" (B1950) 15^h00^m58.7^s -08°31'07" (J2000)

DATE: 1980/212 - 1980/212

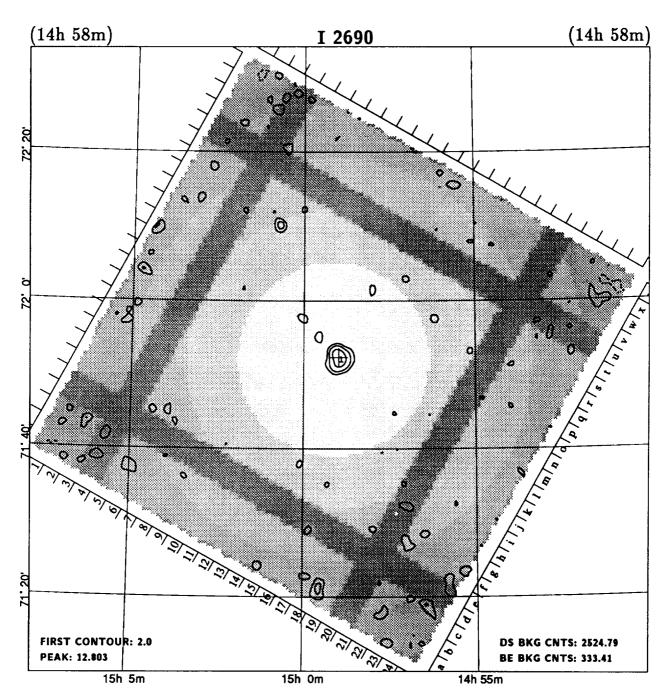
ROLL ANGLE: 72.3°

NH: 7.0E+20 REF/ID:

ℓ: 348.87 b: 42.51

LIVETIME: 1375.3s FIELD FLAGS:

CAT	FLD	RA	DEC	±	COUNT	±	NET	BKG	S/N	SIZE	RECO	R'	SRC	ID
#	#	(1950)	(1950)	"	RATE		CTS	CTS		COR			FLG	
3364	1	14 58 07.1	-08 32 45	46	0.0185	0.0053	15.4	3.6	3.5	0.8	0	13.4	Н	
3365	2	14 58 17.5	-08 19 15	31	0.150	0.012	154.0	4.0	12.2	1.3	0	0.2	Н	S



3C 309.1: BRIGHT X-GALACTIC RADIO SOURCESS

FIELD CENTER: 14^h58^m56.6^s 71°52'10" (B1950) 14^h59^m07.5^s 71°40'19" (J2000)

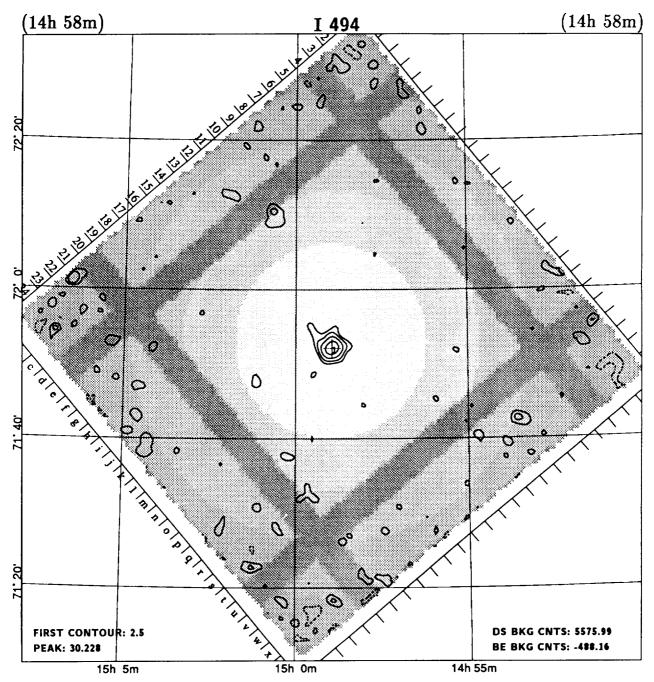
l: 109.98 *b*: 42.10

DATE: 1979/ 66 - 1979/ 66 LIVETIME: 2045.9s

ROLL ANGLE: -60.7°

NH: 2.3E+20 REF/ID: FIELD FLAGS:

Г	CAT	FLD	RA	DEC	±	COUNT	±	NET	BKG	S/N	SIZE	RECO	R'	SRC	ID
	#	#	(1950)	(1950)	"	RATE		CTS	CTS		COR			FLG	
	3367	1	14 58 59.0	71 52 25	35	0.0360	0.0052	54.9	7.1	7.0	1.2	0	0.4	AH	Q



3CR 309.1 (QSO 1458+718) QUASAR SURVEY

FIELD CENTER: 14h58m58.0s 71°52'11" (B1950) 14h59m08.9s 71°40'20" (J2000)

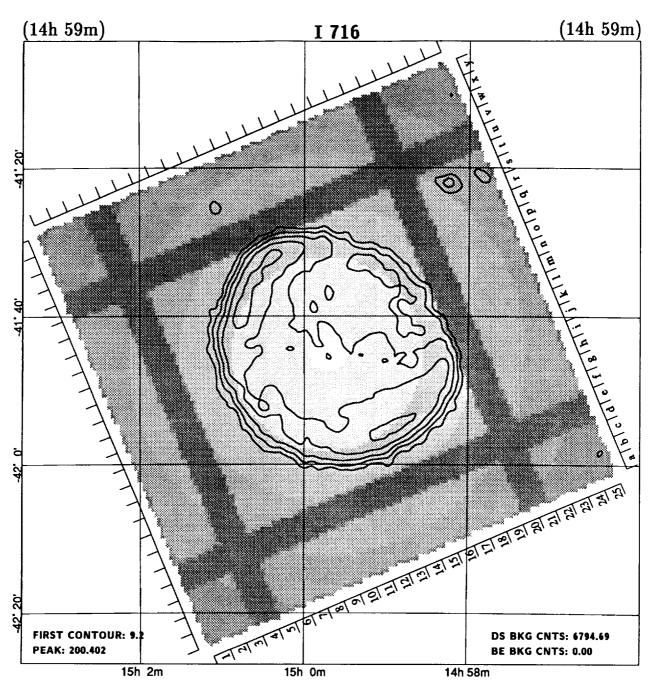
ℓ: 109.98 b: 42.10

DATE: 1979/171 - 1979/171 LIVETIME: 4518.4.

ROLL ANGLE: 50.1°

NH: 2.3E+20 REF/ID: FIELD FLAGS:

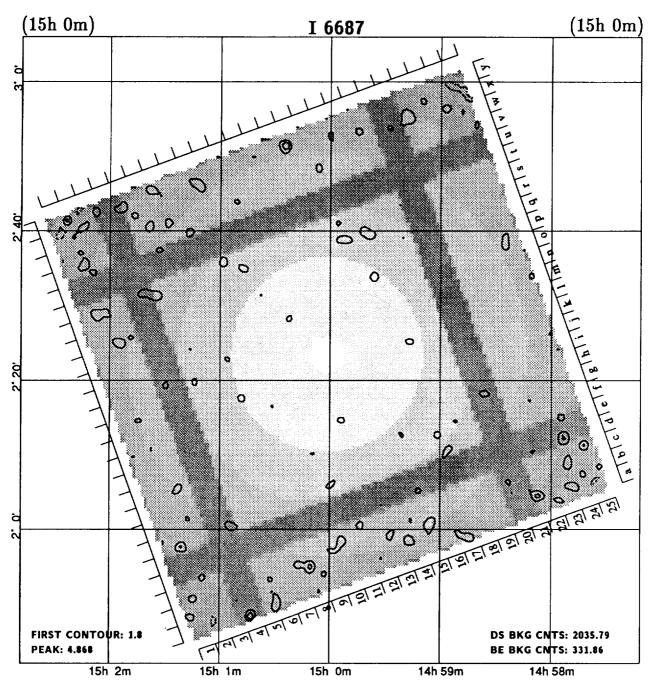
CAT	FLD	RA	DEC	±	COUNT	±	NET	BKG	S/N	SIZE	RECO	R'	SRC	ID
#	#	(1950)	(1950)	"	RATE		CTS	CTS		COR			FLG	
3367	1	14 58 57.0	71 52 05	31	0.0383	0.0035	128.8	12.2	10.8	1.2	0	0.2	AH	Q



SN 1006 SMALL SNR SURFACE BRIGHTNESS

FIELD CENTER: $14^{h}59^{m}40.0^{s}$ $-41^{o}44'59''$ (B1950) $15^{h}02^{m}56.3^{s}$ $-41^{o}56'44''$ (J2000) ℓ : 327.58 b: 14.55

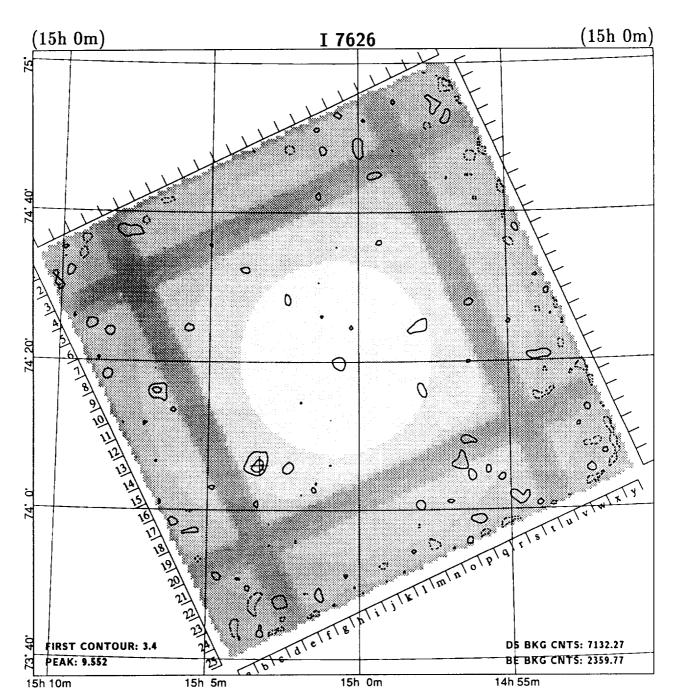
DATE: 1979/ 56 - 1979/ 56 LIVETIME: 5505.9e ROLL ANGLE: -112.9° NH: 6.3E+20 REF/ID: SNR FIELD FLAGS: DLS



GROUPS OF GALAXIES: TG 95

FIELD CENTER: $15^h00^m00.0^s$ $02^o23'59''$ (B1950) $15^h02^m31.8^s$ $02^o12'15''$ (J2000) ℓ : 0.11 δ : 49.93

DATE: 1980/ 18 - 1980/ 18 LIVETIME: 1649.7s ROLL ANGLE: -109.9° NH: 4.1E+20 REF/ID: FIELD FLAGS:



4C74.20, RADIO SOURCES WITH STEEP SPECTRA

FIELD CENTER: 15^h00^m30.0^s 74^o19'59" (B1950) 15^h00^m16.1^s 74^o08'12" (J2000)

ℓ: 111.95 b: 40.12

DATE: 1980/102 - 1980/102

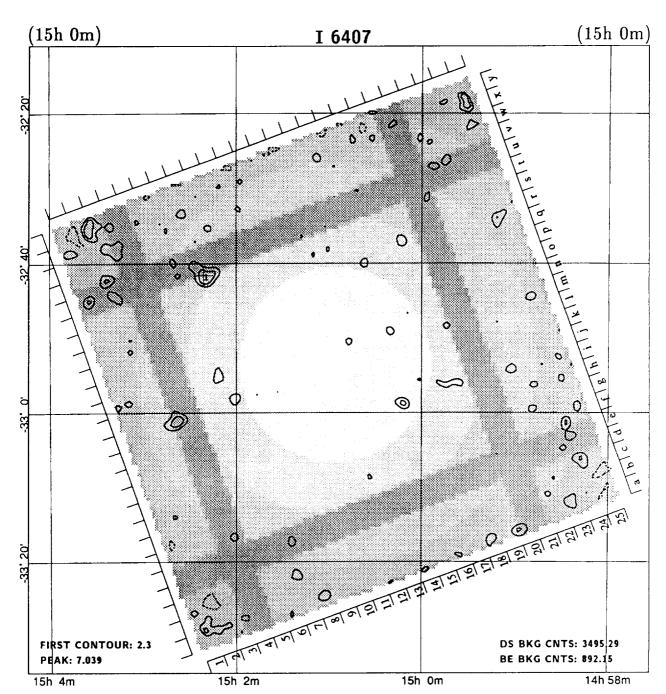
LIVETIME: 5779.5s

ROLL ANGLE: -25.2°

NH: 2.4E+20 REF/ID:

FIELD FLAGS:

CAT	FLD	RA	DEC	±	COUNT	±	NET	BKG	S/N	SIZE	RECO	R'	SRC	ID
#	#	(1950)	(1950)	"	RATE		CTS	CTS		COR			FLG	
3379	1	15 03 17.8	74 06 04	52	0.0097	0.0023	30.6	20.4	4.3	1.0	0	17.8	Н	



NGC 5824,GLOBULAR CLUSTER SURVEY

FIELD CENTER: 15h00m54.0s -32052'59" (B1950) 15h03m58.7s -33°04'41" (J2000)

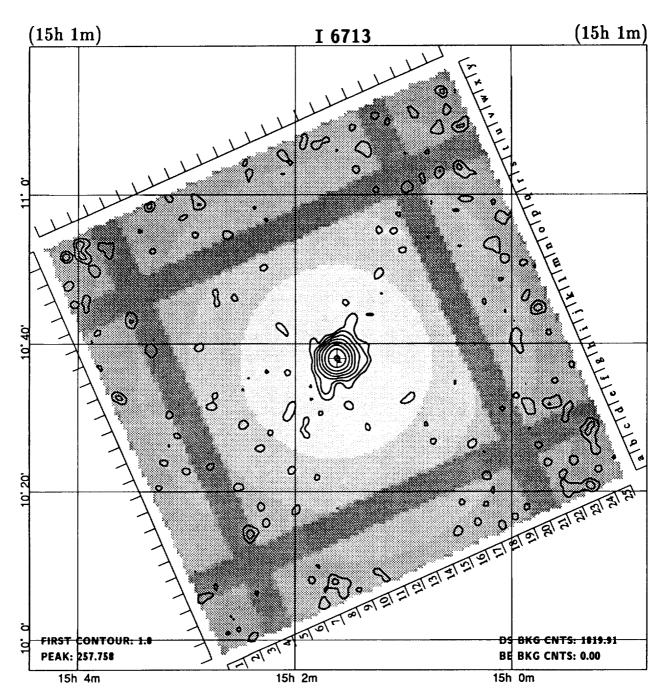
ℓ: 332.55 b: 22.06

DATE: 1980/ 53 - 1980/ 53 LIVETIME: 2832.3s

NH: 9.9E+20 REF/ID: GLB FIELD FLAGS:

ROLL ANGLE: -109.8°

BKG S/N SIZE RECO SRC ID NET COR CTS CTS FLG

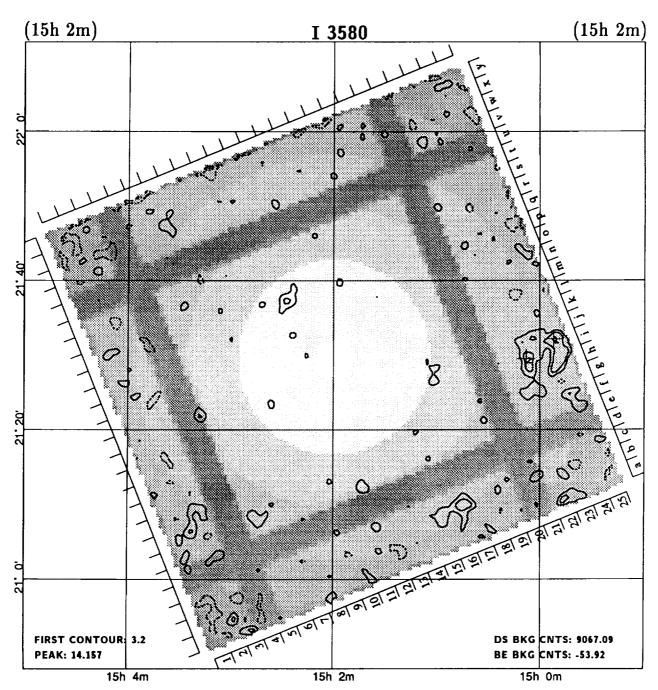


SEYFERT SURVEY: MKN 841

FIELD CENTER: $15^h01^m36.0^s$ $10^o37'59''$ (B1950) $15^h04^m00.8^s$ $10^o26'20''$ (J2000) ℓ : 11.21 ℓ : 54.63

DATE: 1980/ 18 - 1980/ 18 LIVETIME: 1474.7s ROLL ANGLE: -113.8° NH: 2.4E+20 REF/ID: FIELD FLAGS: L

CAT	FLD	RA	DEC	±	COUNT	±	NET	BKG	S/N	SIZE	RECO	R'	SRC	IĐ
#	#	(1950)	(1950)	"	RATE		CTS	CTS		COR			FLG	
3372	1L	15 01 36.9	10 38 02	31	0.898	0.035	986.8	140.2	25.7	1.4	0	0.3	Α	Q



4U 1456+22 SUPERCLUSTER STUDY

FIELD CENTER: 15h02m00.0 21029'59" (B1950) 15^h04^m15.0^s 21°18'21" (J2000)

ℓ: 29.33 b: 59.26

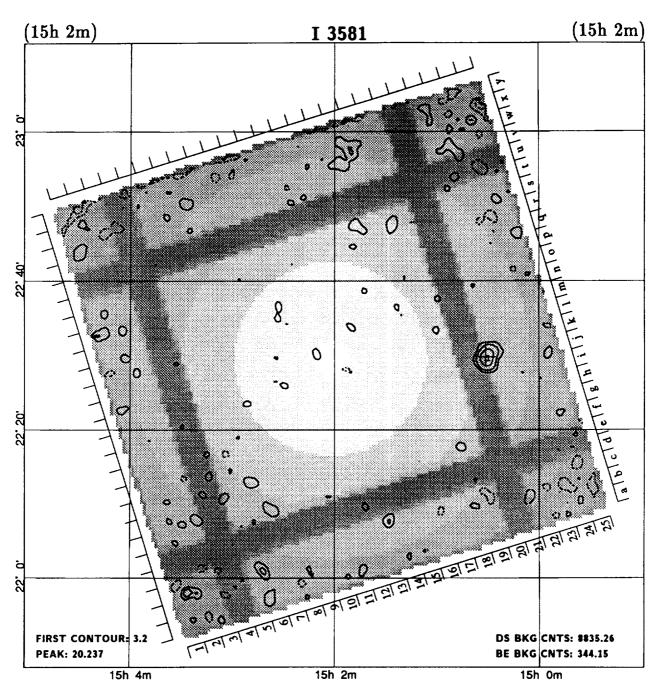
DATE: 1979/ 22 - 1979/ 22 LIVETIME: 7347.4s

NH: 3.5E+20 REF/ID:

ROLL ANGLE: -111.9°

FIELD FLAGS:

CAT	FLD	RA	DEC	±	COUNT	±	NET	BKG	S/N	SIZE	RECO	R′	SRC	Q
#	#	(1950)	(1950)	"	RATE		CTS	CTS		COR			FLG	
3368	1	14 59 52.0	21 32 14	55	0.0092	0.0024	23.7	14.3	3.8	3.2	300	30.3	AH	
3369	2	15 00 07.9	21 29 34	62	0.0070	0.0019	21.5	12.5	3.7	4.5	0	26.3	Н	



4U 1456+22 SUPERCLUSTER STUDY

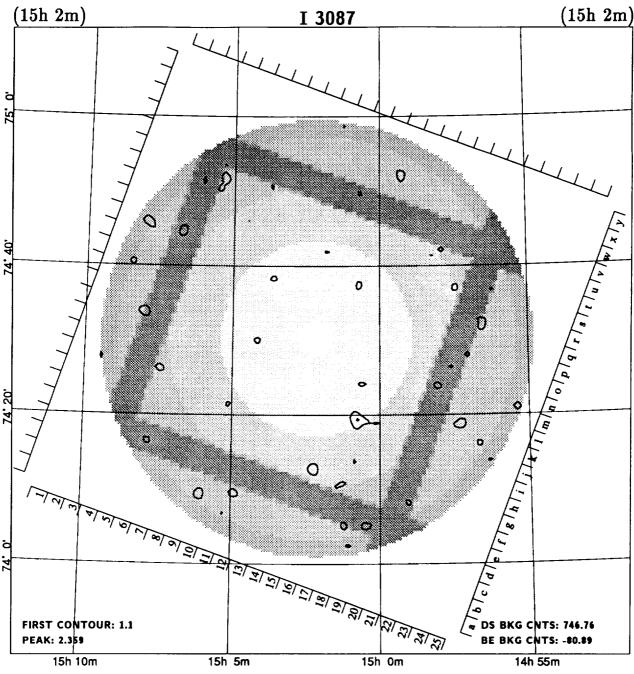
FIELD CENTER: 15^h02^m00.0^s 22°29'59" (B1950) 15^h04^m14.0^s 22°18'21" (J2000)

l: 31.21 b: 59.55

DATE: 1979/ 22 - 1979/ 22

LIVETIME: 7159.5s ROLL ANGLE: -107.1° NH: 3.6E+20 REF/ID: FIELD FLAGS:

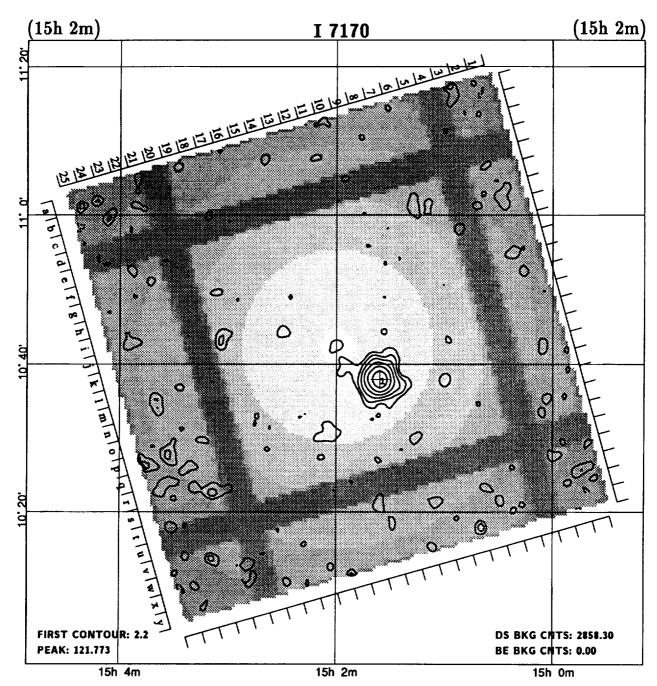
CAT	FLD	RA	DEC	±	COUNT	±	NET	BKG	S/N	SIZE	RECO	R'	SRC	ID
#	#	(1950)	(1950)	"	RATE		CTS	CTS		COR		_	FLG	
3370	1	15 00 31.2	22 29 51	50	*0.0167	0.0024	58.9	13.1	6.9	1.3	1007	20.1	Н	



RADIO SOURCES WITH STEEP SPECTRA: 4C74.20

FIELD CENTER: $15^h02^m00.0^s$ $74^o29'59''$ (B1950) $15^h01^m43.2^s$ $74^o18'16''$ (J2000) ℓ : 111.98 b: 39.93

DATE: 1979/ 56 - 1979/ 56 LIVETIME: 605.1s ROLL ANGLE: -70.0° NH: 2.5E+20 REF/ID: FIELD FLAGS:

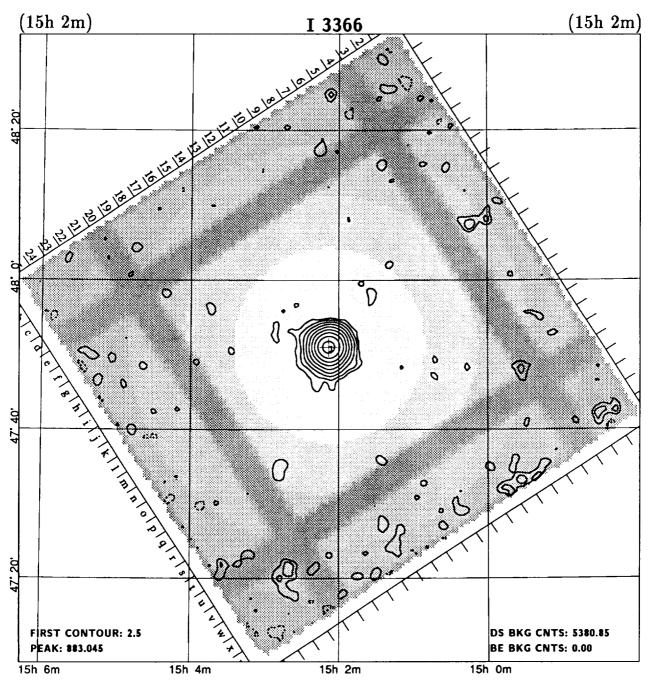


OR 103, BURSTING RADIO SOURCE

FIELD CENTER: $15^h02^m00.2^s$ $10^041'34''$ (B1950) $15^h04^m25.0^s$ $10^029'56''$ (J2000) ℓ : 11.39 b: 54.58

DATE: 1980/220 - 1980/220 LIVETIME: 2316.26 ROLL ANGLE: 74.2° NH: 2.4E+20 REF/ID: FIELD FLAGS: L

ſ	CAT	FLD	RA	DEC	±	COUNT	±	NET	BKG	S/N	SIZE	RECO	R'	SRC	ID
L	#	#	(1950)	(1950)	"	RATE		стѕ	CTS		COR			FLG	
	3372	1L	15 01 35.7	10 37 59	37	0.257	0.016	413.0	93.0	15.8	1.5	0	7.0	A	Q

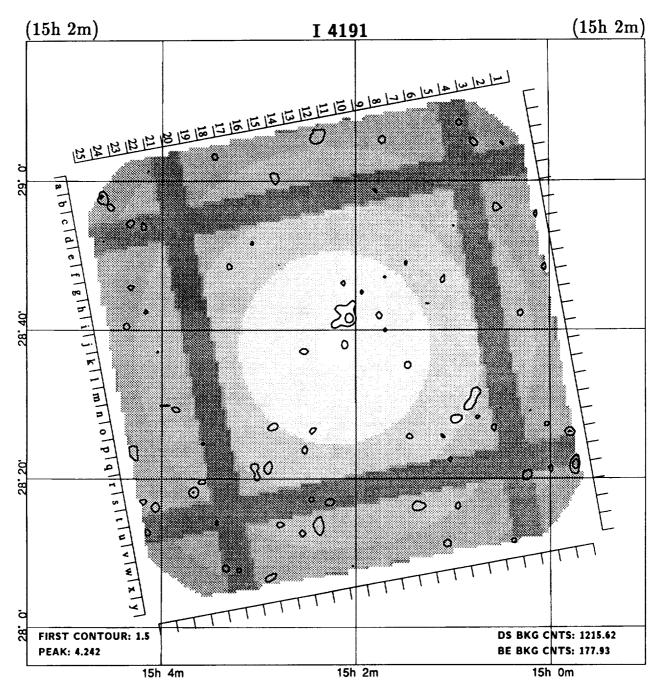


W UMA STARS: 44 BOO

FIELD CENTER: $15^h02^m08.0^s$ $47^\circ50'52''$ (B1950) $15^h03^m49.1^s$ $47^\circ39'13''$ (J2000) ℓ : 80.37 b: 57.06

DATE: 1979/192 - 1979/192 LIVETIME: 4360.3s ROLL ANGLE: 57.0° NH: 2.3E+20 REF/ID: FIELD FLAGS: L

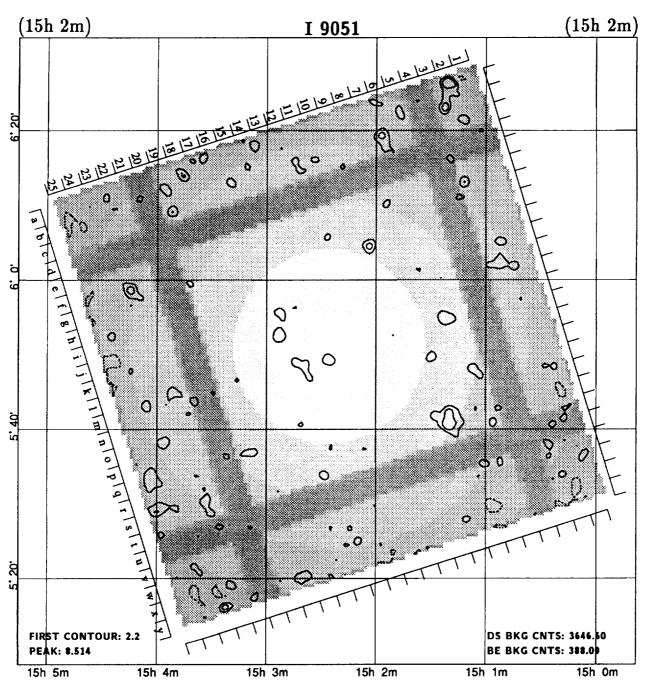
CAT	FLD	RA	DEC	±	COUNT	±	NET	BKG	S/N	SIZE	RECO	R'	SRC	ID
#	#	(1950)	(1950)	"	RATE		CTS	CTS		COR			FLG	
3373	1L	15 02 08.2	47 51 00	31	1.028	0.022	3342.4	693.6	45.6	1.4	0	0.1		S



A 2022, CLUSTER WITH WELL-STUDIED OPTICAL PROPERTIES

FIELD CENTER: $15^h02^m12.0^s$ $28^036'59''$ (B1950) $15^h04^m19.7^s$ $28^025'21''$ (J2000) ℓ : 43.30 b: 60.67

DATE: 1979/225 - 1979/225 LIVETIME: 985.1s ROLL ANGLE: 79.7° NH: 2.3E+20 REF/ID: FIELD FLAGS:



SPECTROSCOPIC BINARIES WITHIN 25 Pc: WOOLLEY# 576

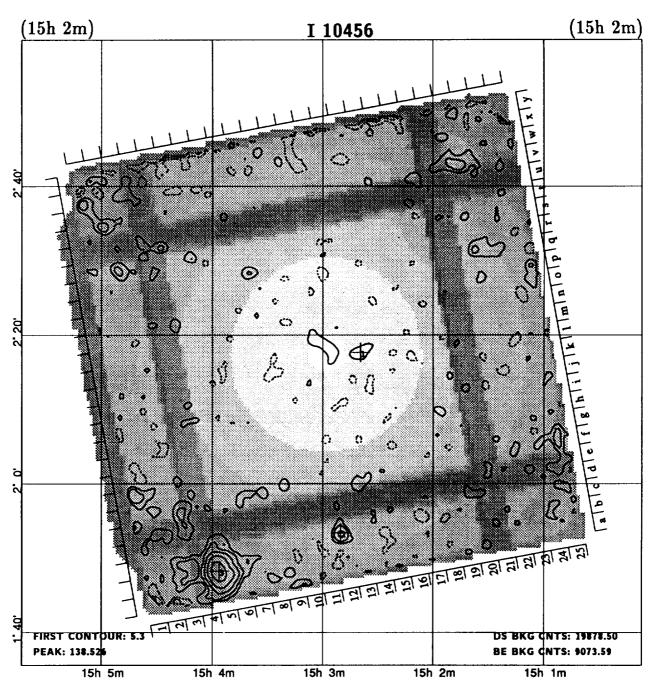
FIELD CENTER: 15^h02^m27.0° 05°50′23" (B1950) 15^h04^m55.9° 05°38'46" (J2000)

l: 4.91 b: 51.67

DATE: 1980/217 - 1980/217 LIVETIME: 2955.0s

ROLL ANGLE: 72.6°

NH: 3.0E+20 REF/ID: FIELD FLAGS:

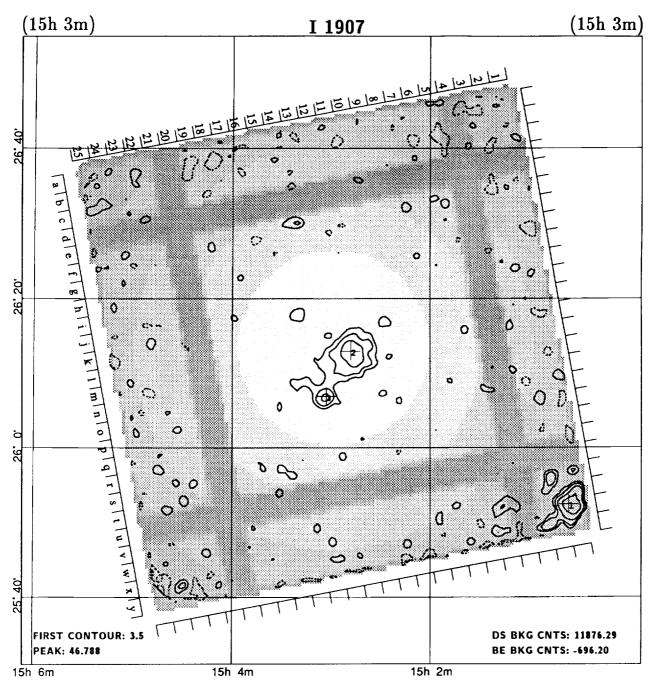


N5838,ZWICKY CLUSTER W/ RADIO SOURCE

FIELD CENTER: $15^h02^m55.0^s$ $02^o17'36''$ (B1950) $15^h05^m26.9^s$ $02^o06'01''$ (J2000) ℓ : 0.73 b: 49.32

DATE: 1981/ 52 - 1981/ 53 LIVETIME: 16108.1s ROLL ANGLE: -100.4° NH: 4.1E+20 REF/ID: FIELD FLAGS: L

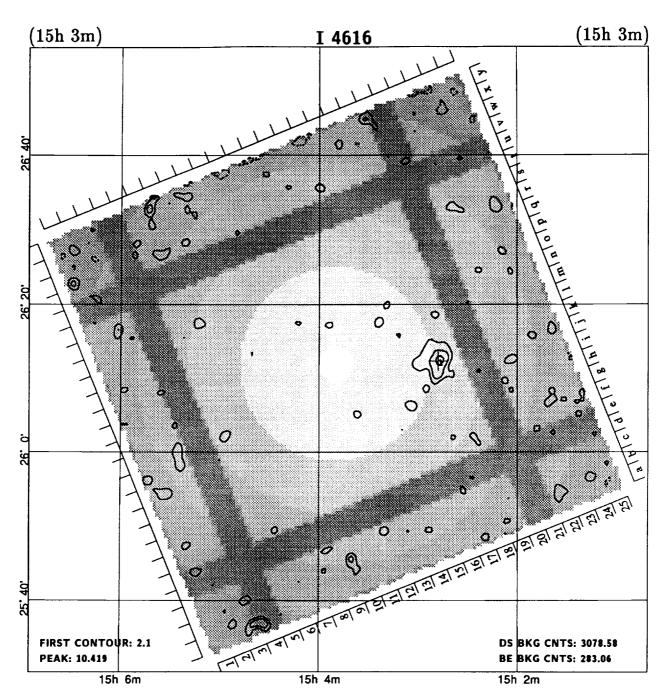
	CAT	FLD	RA	DEC	±	COUNT	±	NET	BKG	S/N	SIZE	RECO	R'	SRC	D
	#	#	(1950)	(1950)	"	RATE		CTS	CTS		COR			FLG	
Γ	3375	1L	15 02 39.5	02 17 40	35	0.0048	0.0012	56.1	68.9	3.9	0.7	0	3.6		
	3377	2L	15 02 50.2	01 53 18	51	0.0073	0.0017	52.4	42.6	4.1	0.8	400	24.3		
1	3380	3L	15 03 56.2	01 48 10	47	*0.0274	0.0068	136.1	133.9	3.9	2.0	906	33.2	Α	CLG



X-RAY STUDY OF RADIO GALAXIES: 3C310

FIELD CENTER: $15^h03^m00.0^s$ $26^o12'59''$ (B1950) $15^h05^m10.2^s$ $26^o01'24''$ (J2000) ℓ : 38.53 b: 60.17 DATE: 1980/225 - 1980/226 LIVETIME: 9623.76 ROLL ANGLE: 79.5° NH: 3.5E+20 REF/ID: FIELD FLAGS:

CAT	FLD	RA	DEC	±	COUNT	±	NET	BKG	S/N	SIZE	RECO	R'	SRC	ID
#	#	(1950)	(1950)	"	RATE		CTS	CTS		COR			FLG	
3371	1	15 00 36.9	25 52 26	50	0.0265	0.0040	56.5	16.5	6.6	1.5	0	38.3	н	
3376	2	15 02 48.0	26 12 57	31	0.0168	0.0017	118.7	26.3	9.9	3.2	0	2.5	AH	G
3378	3	15 03 02.9	26 06 50	41	0.0083	0.0013	56.2	25.8	6.2	6.5	0	6.3	н	

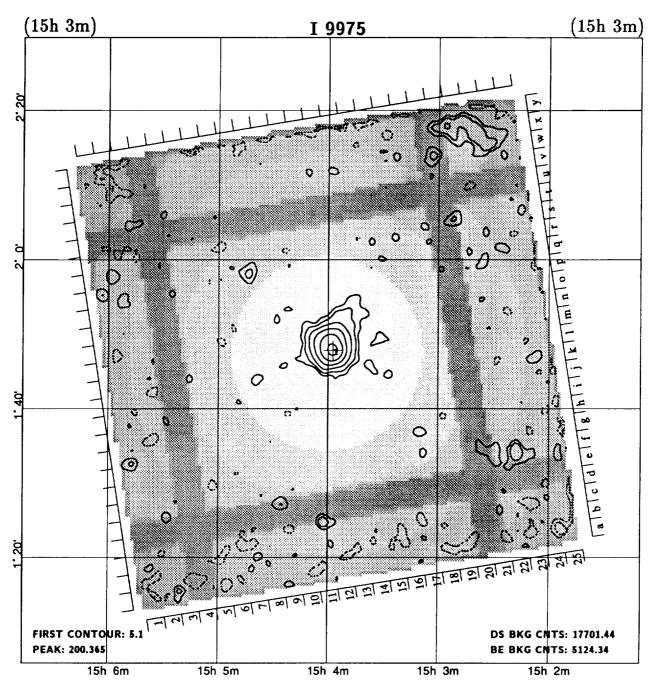


POOR ZWICKY CLUSTER: 1502+261 (3C310)

FIELD CENTER: $15^h03^m48.0^s$ $26^\circ12'29''$ (B1950) $15^h05^m58.1^s$ $26^\circ00'56''$ (J2000) ℓ : 38.57 b: 59.99

DATE: 1980/ 24 - 1980/ 24 LIVETIME: 2494.7s ROLL ANGLE: -112.0° NH: 3.5E+20 REF/ID: G FIELD FLAGS:

CA	T FLD	RA	DEC	±	COUNT	±	NET	BKG	S/N	SIZE	RECO	R'	SRC	ID
#	#	(1950)	(1950)	"	RATE		CTS	CTS		COR			FLG	
337	6 1	15 02 47.8	26 12 19	42	0.0221	0.0042	33.5	6.5	5.3	1.7	0	13.5	AH	G

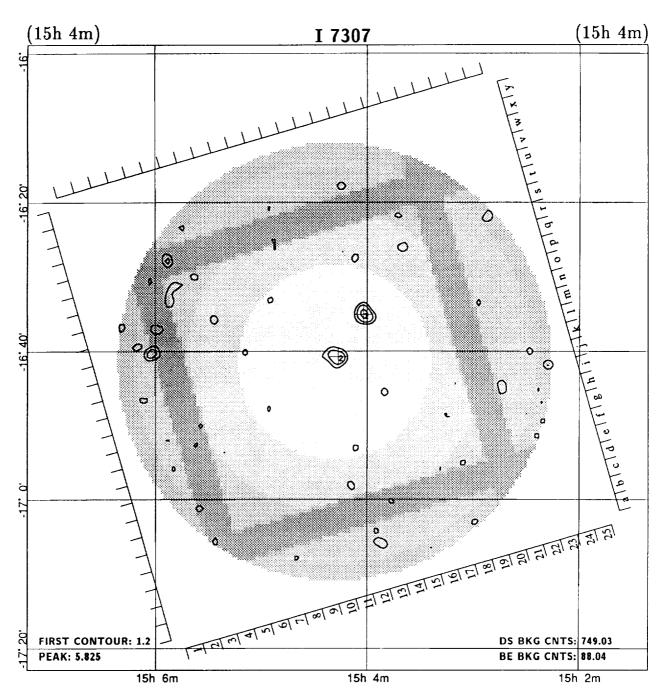


INTERGALACTIC GAS IN SMALL GROUPS DOMINATED BY EARLY TYPE GALAXIES

FIELD CENTER: $15^h03^m58.4^s$ $01^o47'47''$ (B1950) $15^h06^m30.7^s$ $01^o36'15''$ (J2000) ℓ : 0.43 b: 48.79

DATE: 1981/ 26 - 1981/ 26 LIVETIME: 14344.0₆ ROLL ANGLE: -99.0° NH: 4.2E+20 REF/ID: FIELD FLAGS: L

CAT	FLD	RA	DEC	±	COUNT	±	NET	BKG	S/N	SIZE	RECO	R'	SRC	ID
#	#	(1950)	(1950)	"	RATE		CTS	CTS		COR			FLG	
3380	1L	15 03 57.3	01 47 49	31	0.0549	0.0035	586.1	375.9	15.6	2.1	0	0.2	Α	CLG



OR-102, LOW FREQ. VAR. EXTRAGAL. RADIO SOURCE

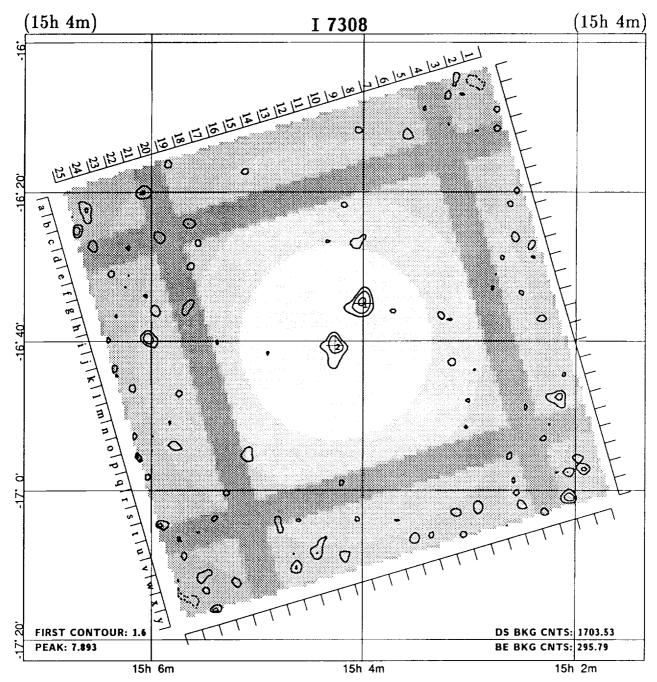
FIELD CENTER: $15^h04^m16.5^s$ -16°40′56″ (B1950) $15^h07^m04.8^s$ -16°52′27″ (J2000) ℓ : 343.64 b: 35.06

DATE: 1980/ 41 - 1980/ 42 LIVETIME: 607.0s ROLL ANGLE: -106.0°

REF/ID: FIELD FLAGS: C

NH: 7.5E+20

CAT FLD RA DEC COUNT ± NET BKG S/N SIZE RECO R' SRC ID \pm " (1950) RATE CTS COR FLG (1950)CTS 3381 1 15 04 02.0 -16 35 05 42 0.048 0.011 20.1 1.9 4.3 0.8 0 6.9 AH 3382 2 15 04 16.4 -16 40 45 0.042 0.010 18.8 2.2 0.8 0 ΑH Q 4.1 0.4

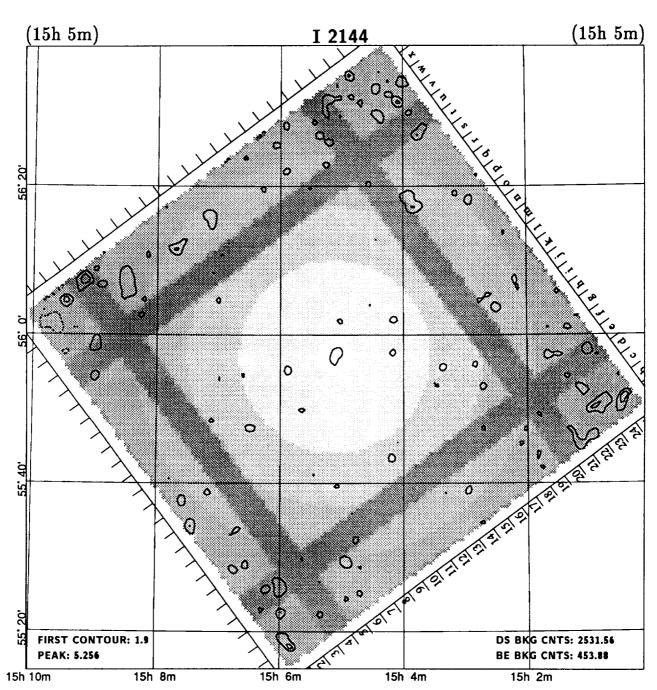


OR-102, LOW FREQ. VAR. EXTRAGAL. RADIO SOURCE

FIELD CENTER: $15^h04^m16.5^s$ $-16^040'56''$ (B1950) $15^h07^m04.8^s$ $-16^052'27''$ (J2000) ℓ : 343.64 b: 35.06

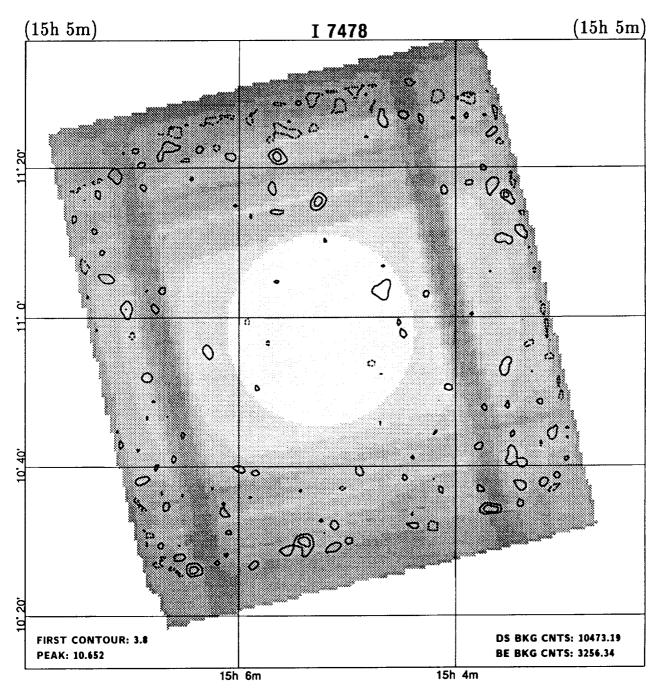
DATE: 1980/211 - 1980/211 LIVETIME: 1380.4s ROLL ANGLE: 73.8° NH: 7.5E+20 REF/ID: FIELD FLAGS: C

CAT	FLD	RA	DEC	±	COUNT	±	NET	BKG	S/N	SIZE	RECO	R'	SRC	ā
#	#	(1950)	(1950)	"	RATE		CTS	CTS		COR			FLG	
3381	1	15 04 00.1	-16 34 58	42	0.0309	0.0061	29.9	5.1	5.1	1.1	0	7.1	AH	
3382	2	15 04 15.9	-16 40 34	36	0.0244	0.0053	25.1	4.9	4.6	1.2	0	0.4	AH	Q



X-RAY SURVEY OF NORMAL GALAXIES: NGC5866

FIELD CENTER: 15^h05^m06.0° 55°56'59" (B1950) 15^h06^m28.3° 55°45'29" (J2000) \$\ell\$: 92.03 \quad b: 52.49 DATE: 1979/ 6 - 1979/ 6 LIVETIME: 2051.4s ROLL ANGLE: -126.6° NH: 1.5E+20 REF/ID: ! FIELD FLAGS:



OR 109, EMISSION FROM HIGHLY POLARIZED BL LAC OBJECTS

FIELD CENTER: 15^h05^m07.0^s 10°54'59" (B1950) 15^h07^m31.5^s 10°43'31" (J2000)

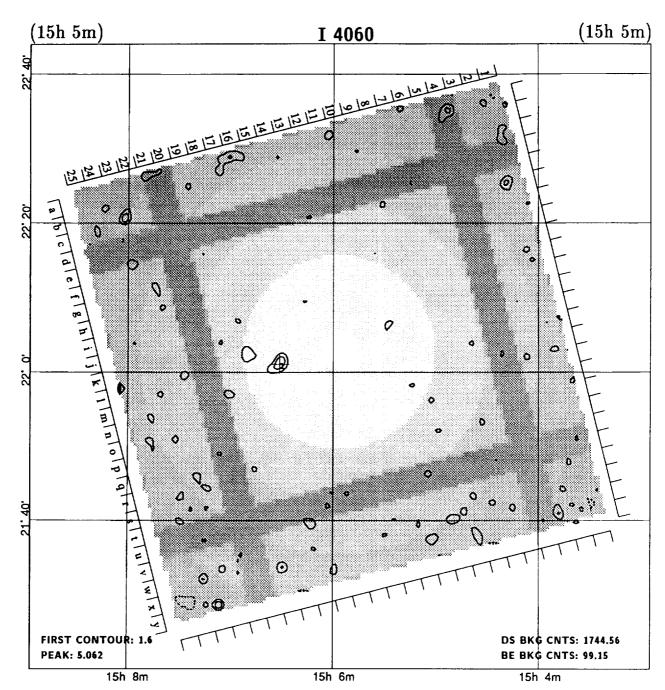
ℓ: 12.42 b: 54.06

DATE: 1980/ 41 - 1980/ 42

LIVETIME: 8486.8s

NH: 2.6E+20 REF/ID:

FIELD FLAGS: L



LB 9440, RADIO QUIET QUASAR WITH CONTINUOUS SPECTRUM

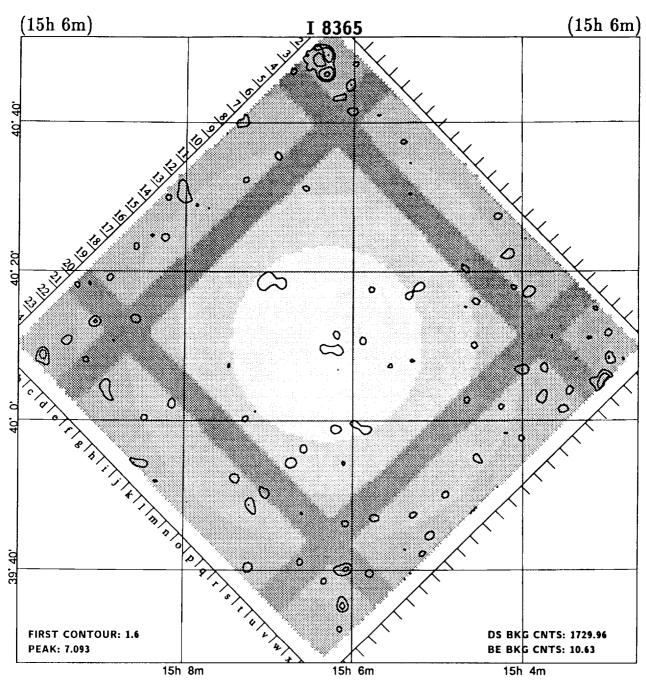
FIELD CENTER: 15^h05^m55.6^s 22^o02'04" (B1950) 15^h08^m09.7^s 21^o50'38" (J2000)

ℓ: 30.85 b: 58.55

DATE: 1979/226 - 1979/226

LIVETIME: 1413.7s ROLL ANGLE: 75.8° NH: 3.6E+20 REF/ID: FIELD FLAGS:

CAT	FLD	RA	DEC	±	COUNT	±	NET	BKG	S/N	SIZE	RECO	R'	SRC	ID
#	#	(1950)	(1950)	"	RATE		CTS	CTS		COR			FLG	
3383	1	15 06 31.4	22 01 04	46	0.0173	0.0047	16.8	4.2	3.7	0.8	0	8.2	Н	



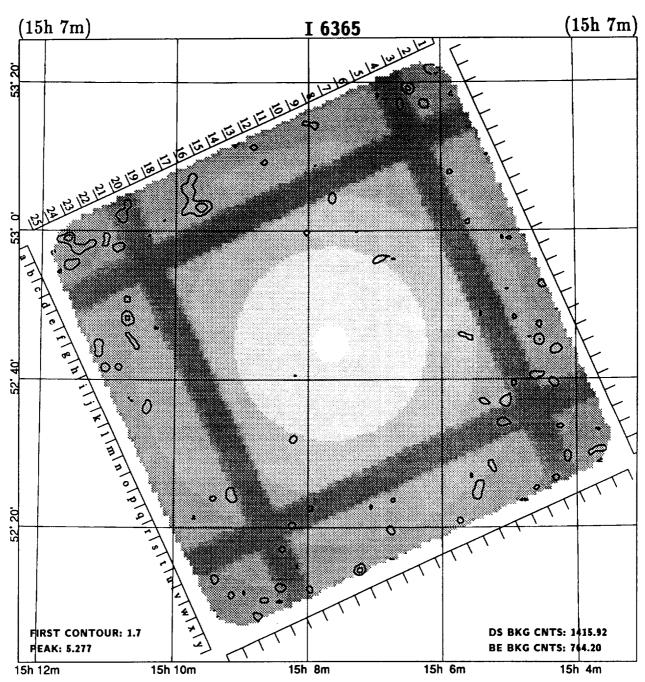
TZ BOO, STAR SPOT ACTIVITY IN ECLIPSING BINARIES

FIELD CENTER: 15^h06^m18.0^s 40°09'29" (B1950) 15^h08^m10.8^s 39°58'04" (J2000)

ℓ: 66.21 b: 59.00

DATE: 1980/179 - 1980/179 LIVETIME: 1401.86 ROLL ANGLE: 45.5°

NH: 1.4E+20 REF/ID: FIELD FLAGS:



N 5875,EMISSION LINE GALAXY SURVEY

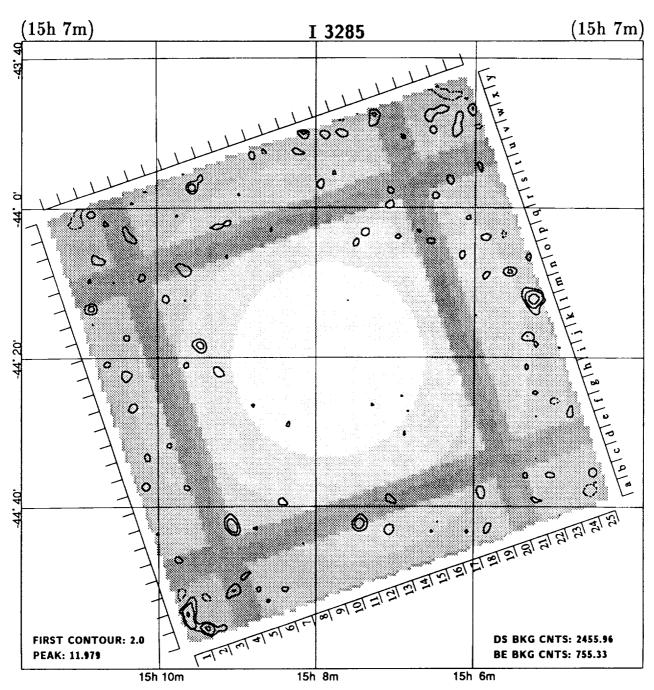
FIELD CENTER: 15^h07^m42.0^s 52°43′59" (B1950) 15^h09^m11.6^s 52°32′37" (J2000)

ℓ: 87.18 b: 53.94

DATE: 1980/203 - 1980/203 LIVETIME: 1147.4s

ROLL ANGLE: 65.4°

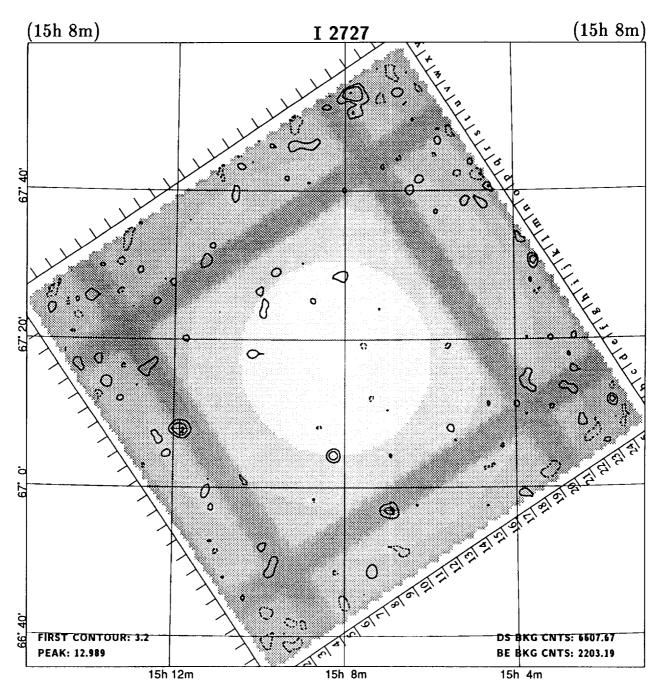
NH: 1.6E+20 REF/ID: FIELD FLAGS:



CANDIDATE X-RAY BINARY SOURCES: HD 134687

FIELD CENTER: 15h07m48.0s -44°19'47" (B1950) DATE: 1980/ 50 - 1980/ 50 15^h11^m09.9^s -44°31′06″ (J2000) LIVETIME: 1990.1s *ℓ*: 327.56 *b*: 11.57

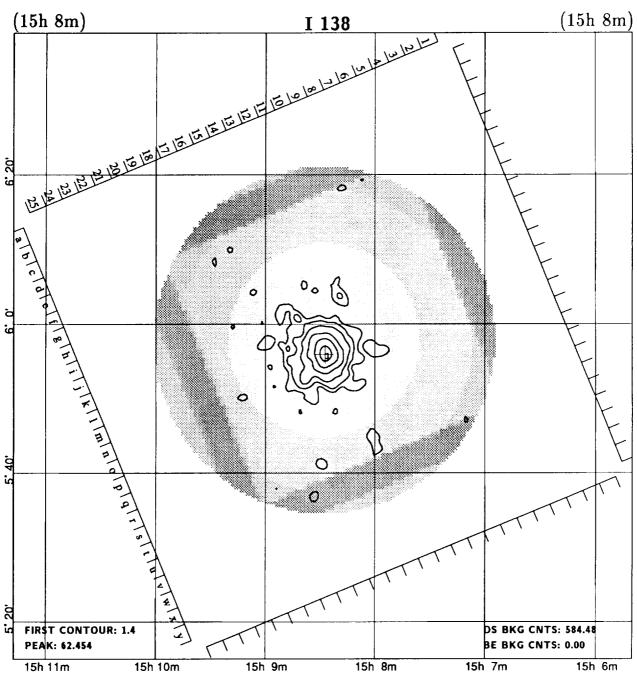
NH: 1.4E+21 REF/ID: ROLL ANGLE: -108.8° FIELD FLAGS: L



LOCAL GROUP GALAXIES: U MI

FIELD CENTER: $15^h 08^m 12.0^s$ $67^o 17' 59''$ (B1950) $15^h 08^m 49.2^s$ $67^o 06' 37''$ (J2000) ℓ : 104.88 b: 44.90 DATE: 1979/ 8 - 1979/ 8 LIVETIME: 5546.7¢ ROLL ANGLE: -123.8° NH: 2.5E+20 REF/ID: FIELD FLAGS:

CAT	FLD	RA	DEC	±	COUNT	±	NET	BKG	S/N	SIZE	RECO	R'	SRC	ID
#	#	(1950)	(1950)	"	RATE		CTS	CTS		COR			FLG	
3384	1	15 06 56.8	66 56 59	59	*0.0074	0.0020	19.9	10.1	3.6	0.6	1309	22.2	7.1.	
3396	2	15 11 51.4	67 07 55	55	*0.0093	0.0024	23.7	12.3	4.0	0.8	1008	23.6		

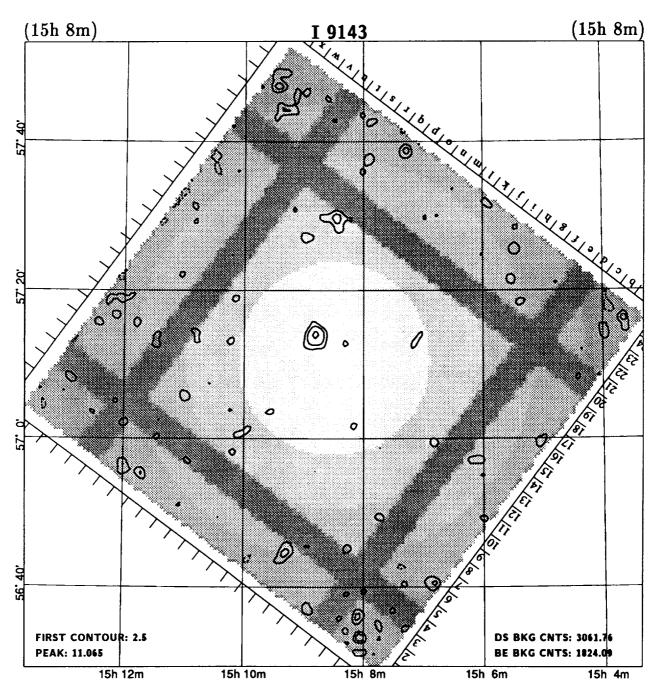


A2029 CLUSTER SURFACE BRIGHTNESS

FIELD CENTER: $15^h08^m28.8^s$ $05^o56'59''$ (B1950) $15^h10^m57.5^s$ $05^o45'42''$ (J2000) ℓ : 6.50 b: 50.55

DATE: 1979/203 - 1979/203 LIVETIME: 473.6s ROLL ANGLE: 67.6° NH: 3.1E+20 REF/ID: FIELD FLAGS: L

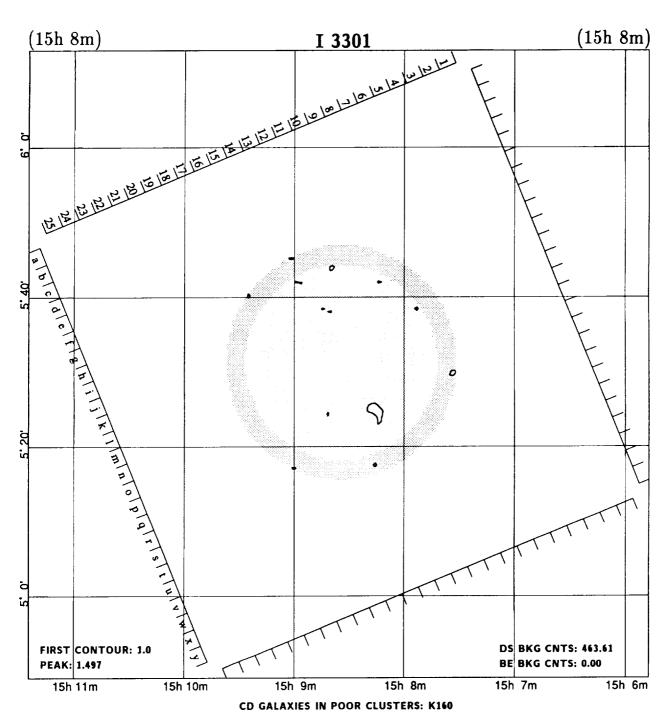
CAT	FLD	RA	DEC	±	COUNT	±	NET	BKG	S/N	SIZE	RECO	R'	SRC	ID
#	#	(1950)	(1950)	"	RATE		CTS	CTS		COR			FLG	
3385	1L	15 08 27.2	05 55 56	31	0.523	0.058	183.0	100.0	9.0	2.5	0	1.3		CLG



CAREFULLY SELECTED Sbc GALAXIES: NGC 5879

FIELD CENTER: $15^h08^m29.4^s$ $57^\circ11'23''$ (B1950) $15^h09^m47.3^s$ $57^\circ00'04''$ (J2000) ℓ : 93.23 ℓ : 51.40

DATE: 1980/357 - 1980/357 LIVETIME: 2481.0s ROLL ANGLE: -143.1° NH: 1.5E+20 REF/ID: FIELD FLAGS: LS

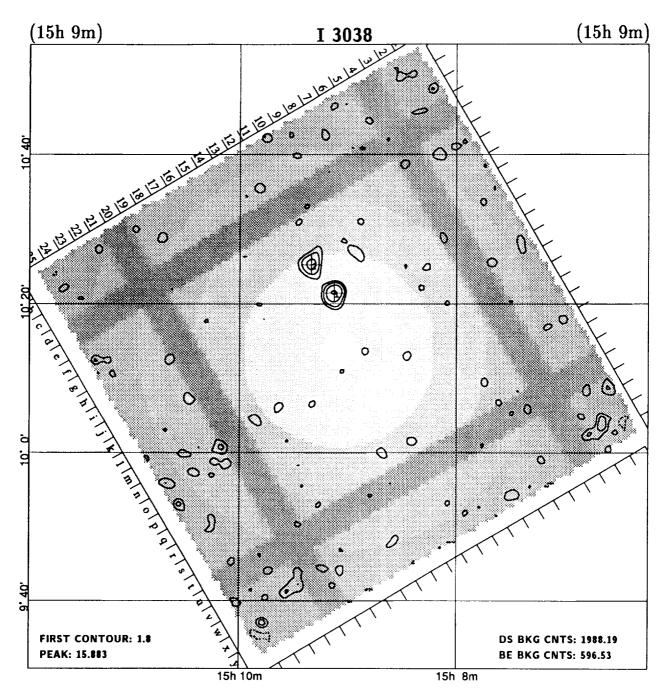


FIELD CENTER: 15h08m36.0 05030'59" (B1950) 15h11m05.1 05°19'42" (J2000)

ℓ: 5.99 b: 50.27

DATE: 1979/203 - 1979/203 LIVETIME: 375.7s ROLL ANGLE: 67.7°

NH: 3.2E+20 REF/ID: FIELD FLAGS: L



4C10.40: HIGH REDSHIFT CLUSTERS OF GALAXIES

FIELD CENTER: 15^h09^m05.0^s 10°12′57″ (B1950) 15^h11^m29.9^s 10°01′41″ (J2000)

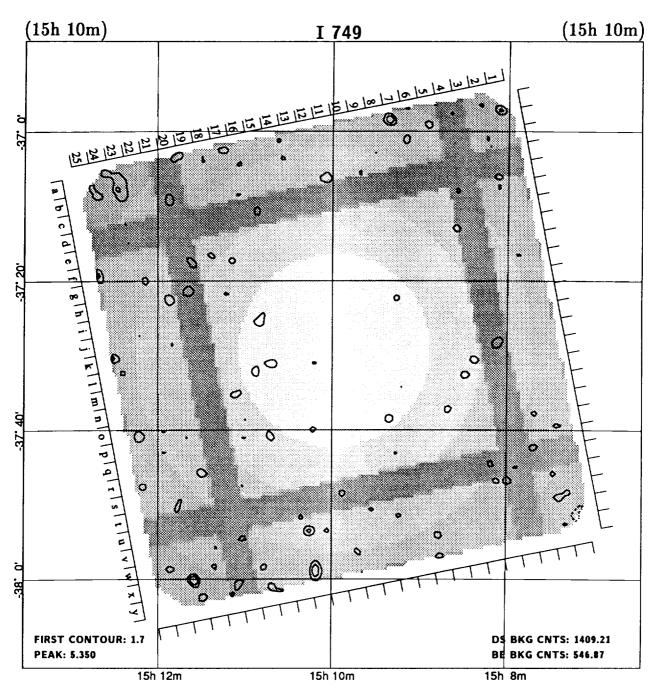
ℓ: 12.30 *b*: 52.86

DATE: 1979/202 - 1979/202 LIVETIME: 1611.16

ROLL ANGLE: 59.5°

NH: 2.6E+20 REF/ID: FIELD FLAGS: L

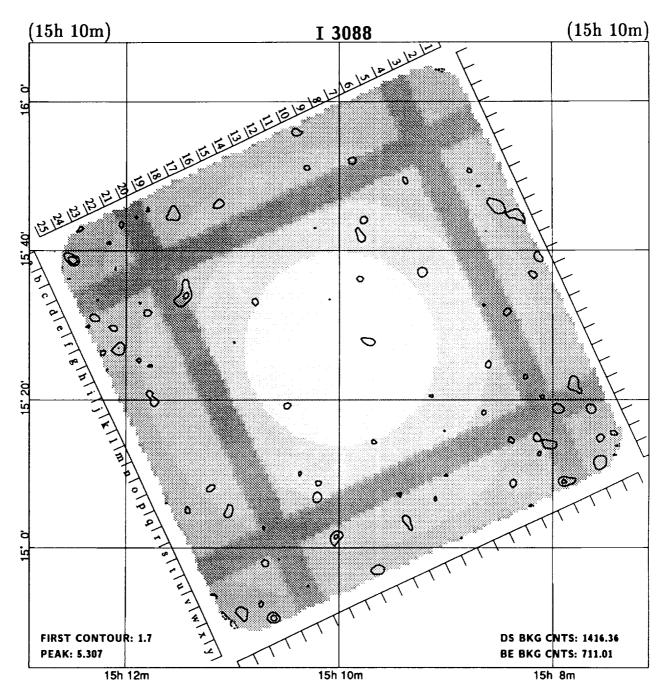
CAT	FLD	RA	DEC	±	COUNT	±	NET	BKG	S/N	SIZE	RECO	R'	SRC	ID
#	#	(1950)	(1950)	"	RATE		CTS	CTS		COR			FLG	
3386	1L	15 09 07.8	10 21 28	41	0.0568	0.0084	63.0	6.0	6.6	1.0	0	8.5		
3387	2L	15 09 20.4	10 25 17	41	0.0281	0.0070	28.9	9.1	3.9	1.1	0	13.2		



LUPUS LOOP SNR X-RAY STUDY

FIELD CENTER: $15^h 10^m 00.0^s$ -37°29′59″ (B1950) $15^h 13^m 11.9^s$ -37°41′11″ (J2000) ℓ : 331.63 b: 17.16

DATE: 1979/214 - 1979/214 LIVETIME: 1141.96 ROLL ANGLE: 78.9° NH: 6.6E+20 REF/ID: FIELD FLAGS:



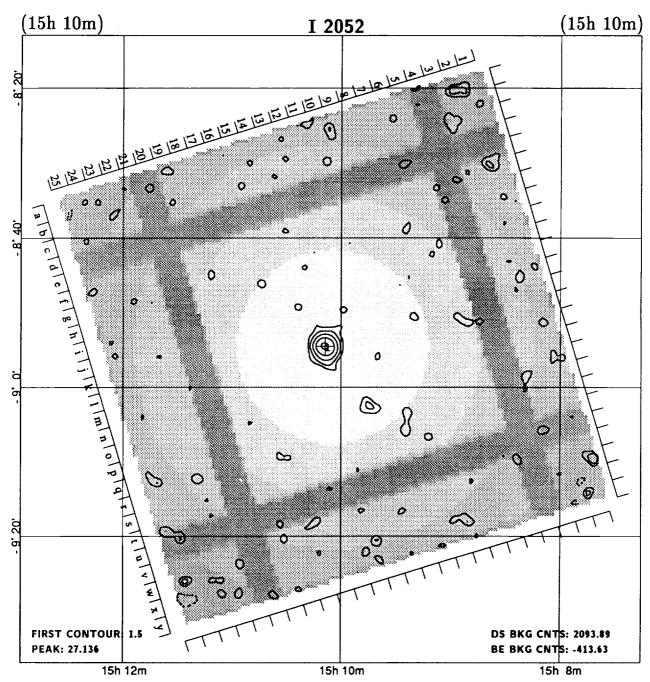
RADIO SOURCES WITH STEEP SPECTRA: 4C15.45

FIELD CENTER: 15^h10^m00.0^s 15°25'58" (B1950) 15^h 12^m 20.2^s 15° 14′ 45″ (J2000)

ℓ: 20.24 b: 55.22

DATE: 1979/202 - 1979/202 LIVETIME: 1147.76 ROLL ANGLE: 65.0°

NH: 2.3E+20 REF/ID: FIELD FLAGS: L



X-RAY STUDY OF QUASARS: PKS1510-089

FIELD CENTER: 15h10m06.0s -08°54'59" (B1950) 15^h12^m47.6^s -09°06'12" (J2000)

l: 351.27 b: 40.14

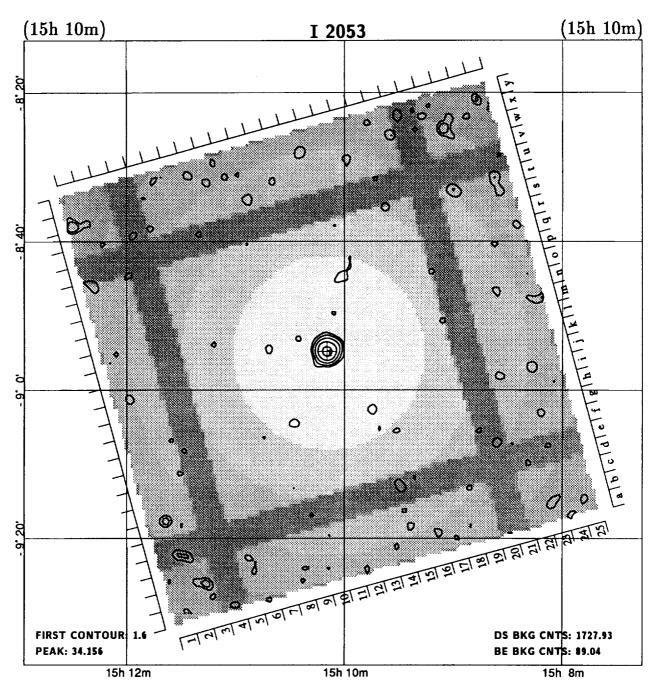
DATE: 1979/215 - 1979/215 LIVETIME: 1696.7s

ROLL ANGLE: 73.1°

NH: 7.6E+20 REF/ID:

FIELD FLAGS: C

CAT	FLD	RA	DEC	±	COUNT	±	NET	BKG	S/N	SIZE	RECO	R'	SRC	ID
#	#	(1950)	(1950)	"	RATE		стѕ	CTS	•	COR			FLG	
3390	1	15 10 08.8	-08 54 36	31	0.0910	0.0087	114.8	4.2	10.5	1.2	0	1.0	AH	0



X-RAY STUDY OF QUASARS: PKS1510-089

FIELD CENTER: 15^h10^m06.0^s -08°54'59" (B1950) 15^h12^m47.6^s -09°06'12" (J2000)

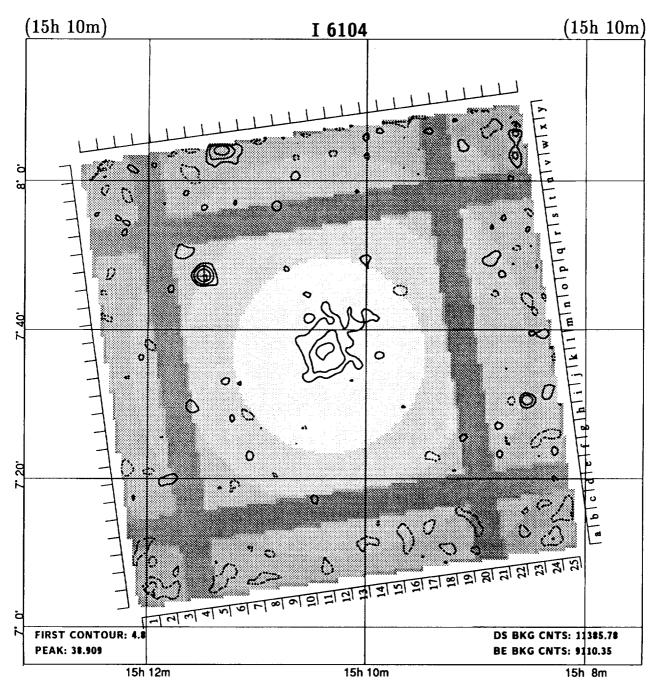
l: 351.27 b: 40.14

DATE: 1980/ 41 - 1980/ 41 LIVETIME: 1400.2s

ROLL ANGLE: -105.3°

NH: 7.6E+20 REF/ID: FIELD FLAGS: C

CAT	FLD	RA	DEC	±	COUNT	土	NET	BKG	S/N	SIZE	RECO	R'	SRC	ID
#	#	(1950)	(1950)	"	RATE		CT\$	CTS		COR			FLG	
3390	1	15 10 09.7	-08 54 49	31	0.134	0.011	139.9	4.1	11.7	1.1	0	0.9	AH	Q

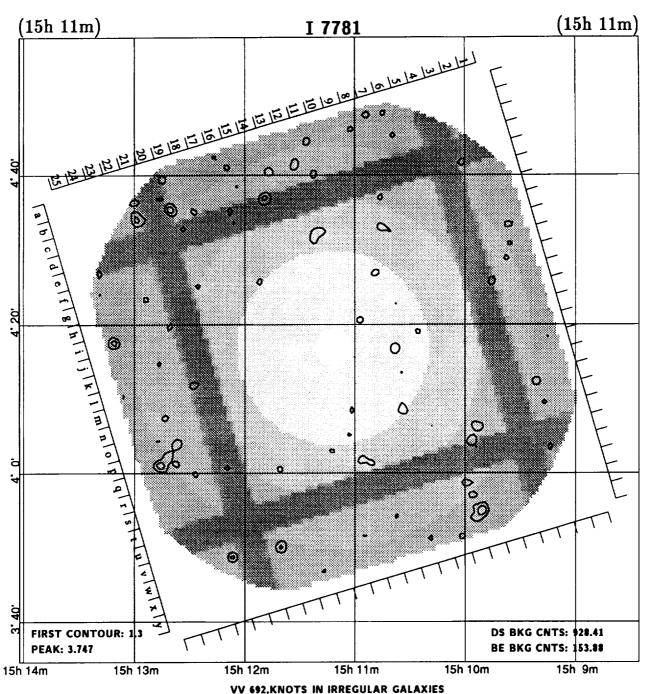


A 2040, DETAILED STUDY OF NEARBY CLUSTERS

FIELD CENTER: $15^h 10^m 18.0^s$ $07^o 36'59''$ (B1950) $15^h 12^m 45.2^s$ $07^o 25'47''$ (J2000) ℓ : 9.06 b: 51.17

DATE: 1981/ 54 - 1981/ 54 LIVETIME: 9226.2e ROLL ANGLE: -97.9° NH: 2.6E+20 REF/ID: CLG FIELD FLAGS: LS

CAT	FLD	RA	DEC	±	COUNT	±	NET	BKG	S/N	SIZE	RECO	R'	SRC	ID
#	#	(1950)	(1950)	"	RATE		стѕ	CTS		COR			FLG	
3393	11.	15 11 29.4	07 47 14	48	0.0175	0.0028	82.0	40.0	6.1	0.9	0	20.6		



VV 692,KNU15 IN IRREGULAR GALAXIES

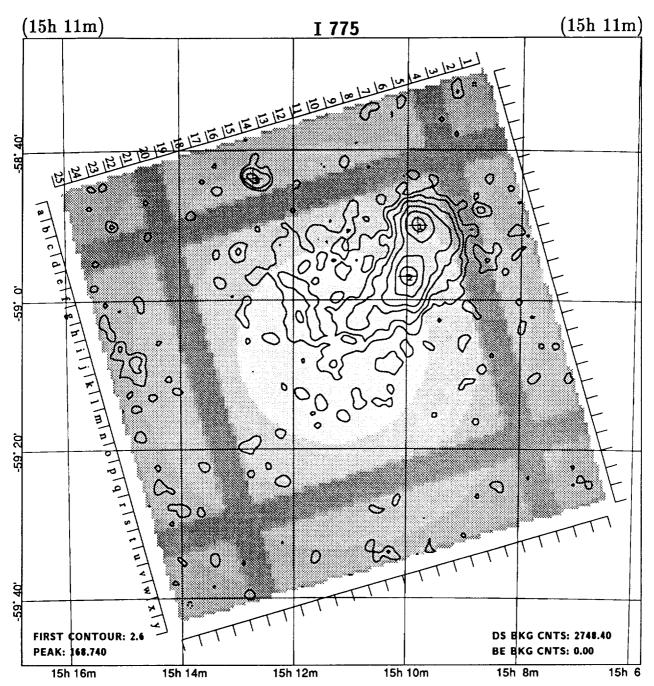
FIELD CENTER: 15^h11^m13.8^s 04°16'35" (B1950) 15^h13^m43.9^s 04°05'26" (J2000)

ℓ: 5.09 b: 48.99

DATE: 1980/220 - 1980/220 LIVETIME: 752.3s

ROLL ANGLE: 73.6°

NH: 3.7E+20 REF/ID: FIELD FLAGS:



MSH 15-52A/B SNR'S, SEARCH FOR X-RAY EMISSION

FIELD CENTER: 15h11m20.0s -59006'59" (B1950) 15^h15^m17.5^s -59°18'06" (J2000)

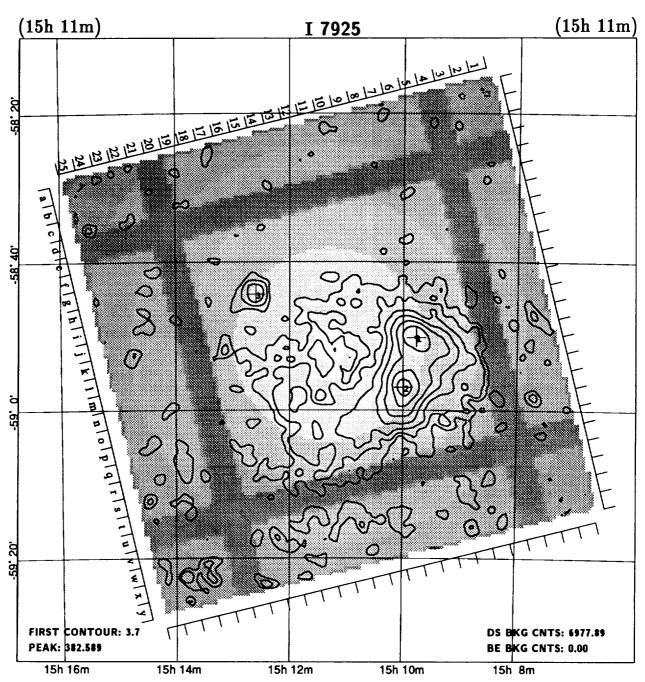
ℓ: 320.38 b: -1.39

DATE: 1979/237 - 1979/237

NH: 1.5E+21 REF/ID: *

LIVETIME: 2227.1s FIELD FLAGS: L ROLL ANGLE: 74.1°

CAT	FLD	RA	DEC	±	COUNT	±	NET	BKG	S/N	SIZE	RECO	R′	SRC	ID
#	#	(1950)	(1950)	"	RATE		стѕ	CTS		COR			FLG	
3388	1L	15 09 49.0	-58 50 04	47	0.196	0.020	224.7	141.3	9.6	8.5	0	20.5	Α	SNR
3389	2L	15 09 59.4	-58 56 50	37	0.280	0.021	381.0	196.0	13.2	6.3	0	14.5	Α	P
3400	3L	15 12 42.4	-58 43 47	52	0.0284	0.0074	27.2	9.8	3.7	1.3	0	25.5	Α	*

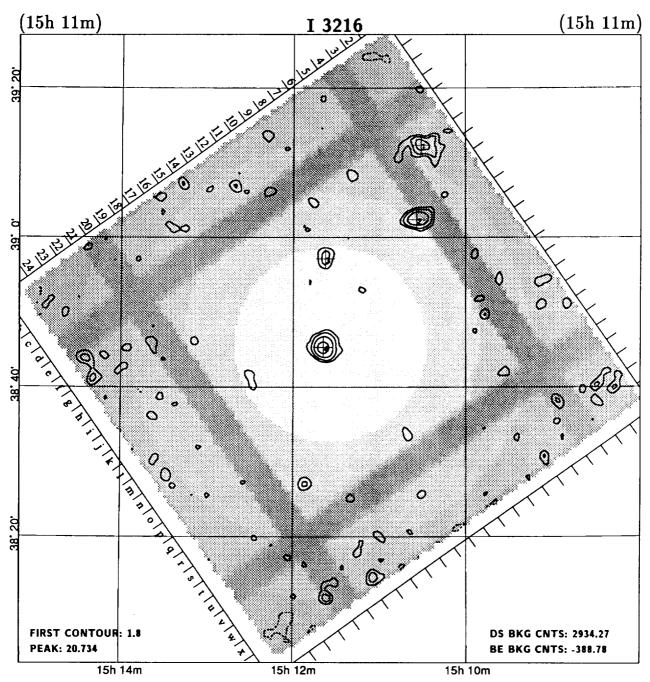


SNR MSH 15-52 A/B FOLLOW-UP

FIELD CENTER: $15^{h}11^{m}20.0^{s}$ -58°51′59″ (B1950) $15^{h}15^{m}16.7^{s}$ -59°03′06″ (J2000) ℓ : 320.51 b: -1.18

DATE: 1980/228 - 1980/228 LIVETIME: 5654.4s ROLL ANGLE: 76.2° NH: 1.5E+21 REF/ID: SNR FIELD FLAGS: DL

CAT	FLD	RA	DEC	±	COUNT	±	NET	BKG	S/N	SIZE	RECO	R'	SRC	ΙĐ
#	#	(1950)	(1950)	"	RATE		стѕ	CTS		COR			FLG	
3388	1L	15 09 46.1	-58 50 12	37	0.162	0.011	589.2	470.8	14.7	9.9	0	12.3	Α	SNR
3389	2L	15 09 59.3	-58 56 54	37	0.240	0.012	876.8	556.2	19.1	7.0	0	11.5	Α	P
3400	3L	15 12 35.7	-58 44 20	38	0.0259	0.0037	92.9	34.1	6.9	1.4	0	12.1	A	•

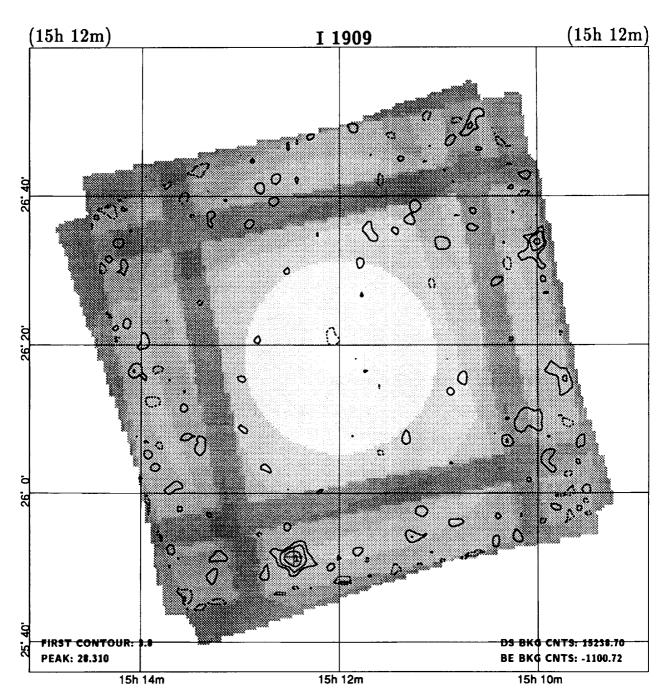


RS CVN SYSTEMS: SS BOO

FIELD CENTER: $15^h 11^m 35.0^s 38^o 45' 11''$ (B1950) $15^h 13^m 28.9^s 38^o 34' 03''$ (J2000) ℓ : 63.16 δ : 58.29

DATE: 1979/191 - 1979/191 LIVETIME: 2377.7s ROLL ANGLE: 54.8° NH: 1.5E+20 REF/ID: FIELD FLAGS:

CAT	FLD	RA	DEC	±	COUNT	±	NET	BKG	S/N	SIZE	RECO	R'	SRC	ID
#	#	(1950)	(1950)	"	RATE		CTS	CTS		COR			FLG	
3391	1	15 10 30.9	39 12 23	55	0.0197	0.0053	17.0	4.0	3.7	1.4	300	29.7	Н	
3392	2	15 10 34.0	39 02 23	50	*0.0336	0.0055	40.3	3.7	6.1	1.1	806	21.3	н	Q
3394	3	15 11 37.6	38 57 10	47	0.0120	0.0032	18.5	5.5	3.8	0.7	0	12.2	1	
3395	4	15 11 39.0	38 45 21	31	0.0473	0.0054	83.5	6.5	8.8	1.1	0	0.9	н	cv



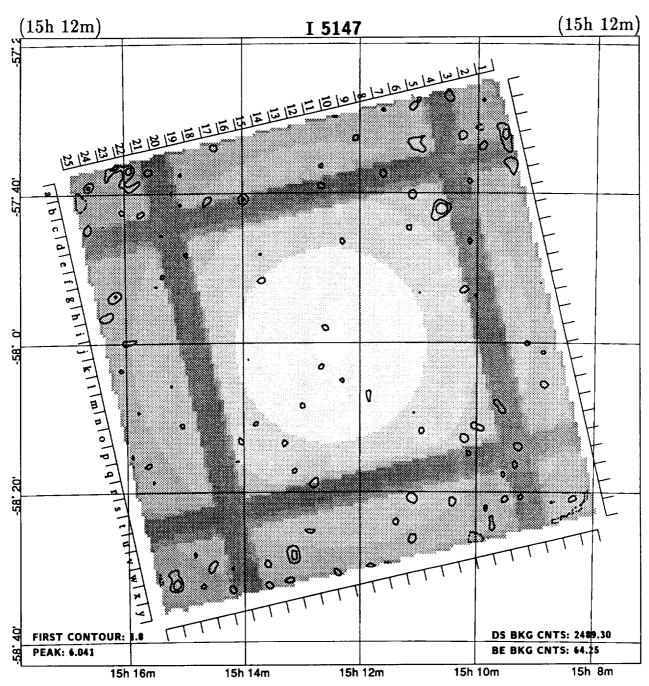
X-RAY STUDY OF RADIO GALAXIES: 3C315

FIELD CENTER: 15^h12^m00.0^s 26°17'59" (B1950) 15^h14^m09.2^s 26°06'52" (J2000)

l: 39.38 b: 58.19

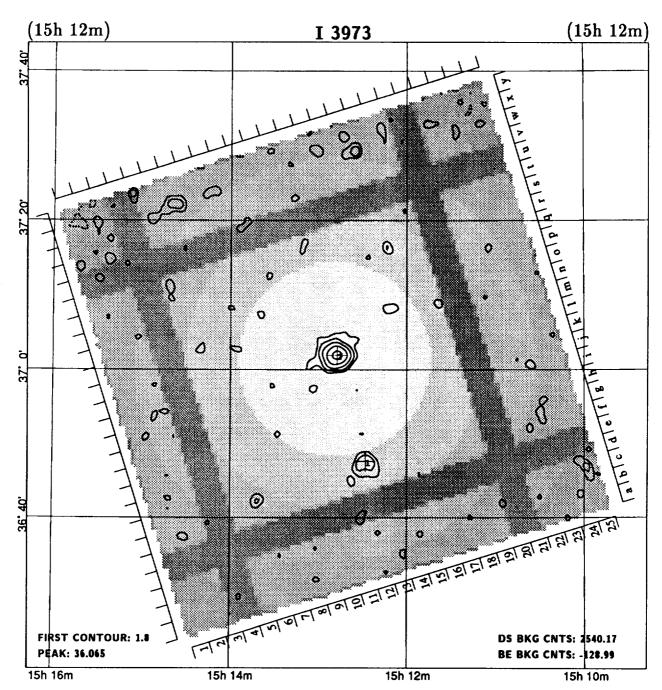
DATE: 1979/ 29 - 1980/226 LIVETIME: 12348.4s NH: 3.8E+20 REF/ID: FIELD FLAGS:

'	CAT #	FLD #	RA (1950)	DEC (1950)	± "	COUNT RATE	±	NET	BKG CTS	S/N	SIZE COR	RECO	R'	SRC FLG	ID
	3398	1	15 12 27.5	25 51 25	50	0.0127	0.0019	61.1	22.9	6.7	1.3	0	27.3	Н	



RADIO SOURCES NEAR COS-B GAMMA SOURCES #2

FIELD CENTER: $15^{h}12^{m}31.2^{s}$ -58°01'11" (B1950) $15^{h}16^{m}25.5^{s}$ -58°12'14" (J2000) ℓ : 321.08 b: -0.54 DATE: 1980/227 - 1980/227 LIVETIME: 2017.2s ROLL ANGLE: 77.4° NH: 1.6E+21 REF/ID: FIELD FLAGS:



1512+370, BRIGHT NEARBY QUASAR

FIELD CENTER: 15^h12^m46.9^s 37°01'55" (B1950) 15^h14^m43.0^s 36°50'51" (J2000)

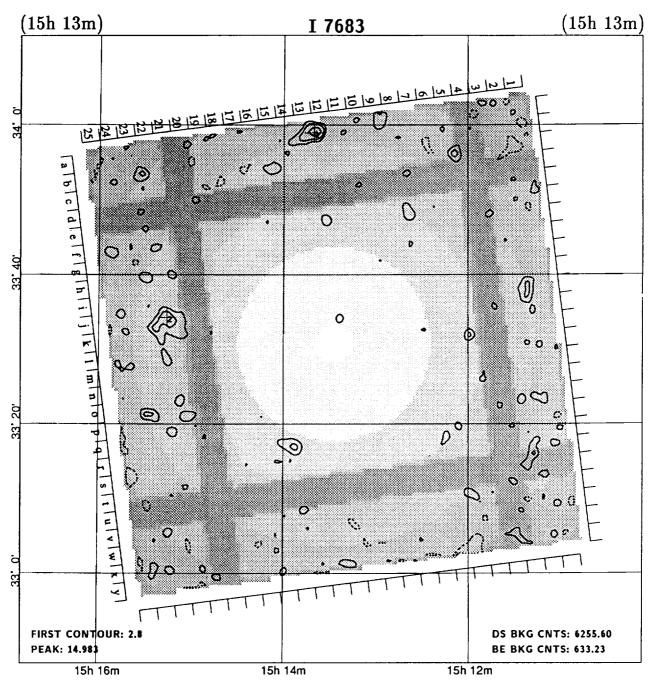
l: 59.86 b: 58.31

DATE: 1980/ 23 - 1980/ 23 LIVETIME: 2058.4s

ROLL ANGLE: -107.2°

NH: 1.5E+20 REF/ID: FIELD FLAGS:

CAT	FLD	RA	DEC	±	COUNT	±	NET	BKG	S/N	SIZE	RECO	R'	SRC	ID
#	#	(1950)	(1950)	"	RATE		стѕ	CTS		COR			FLG	
3399	1	15 12 28.0	36 47 34	45	0.0200	0.0044	24.7	4.3	4.6	1.1	0	14.7	Н	
3401	2	15 12 47.5	37 01 56	31	0.0960	0.0081	147.2	5.8	11.9	1.3	0	0.4	н	Q



DEL BOO, CORONAE/WINDS DIVISION AMONG LATE-TYPE STARS

FIELD CENTER: 15h13m29.1 33°30'00" (B1950)

15^h15^m29.8^s 33°18'58" (J2000)

LIVETIME: 5069.1s

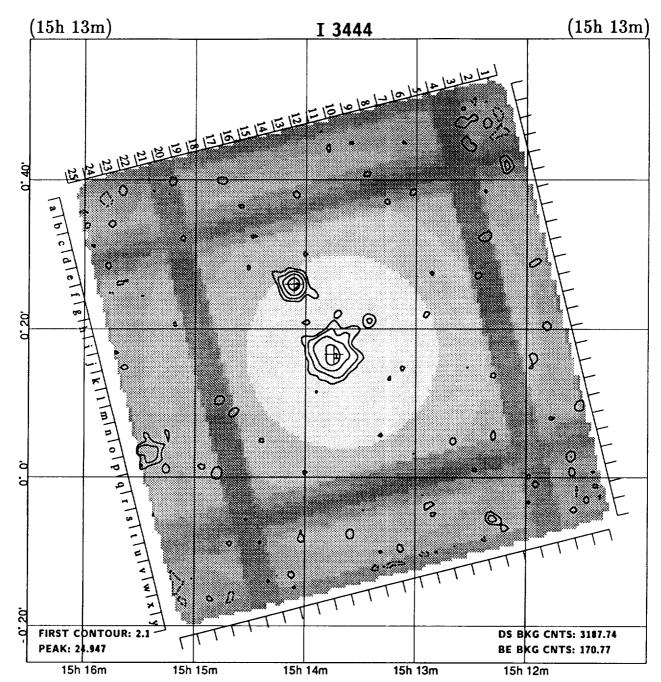
DATE: 1980/229 - 1980/230

NH: 1.6E+20 REF/ID: FIELD FLAGS:

ℓ: 53.12 b: 58.43

ROLL ANGLE: 82.8°

1	CAT	FLD	RA	DEC	±	COUNT	±	NET	BKG	S/N	SIZE	RECO	R'	SRC I	ID
-	#	#	(1950)	(1950)	"	RATE		стѕ	CTS		COR			FLG	
Г	3402	1	15 13 40.2	33 58 56	51	0.0166	0.0034	31.6	11.4	4.8	1.1	400	29.0	Н	\Box
L	3409	2	15 15 15.8	33 34 13	56	0.0089	0.0024	20.9	12.1	3.6	1.8	100	22.7	Н	

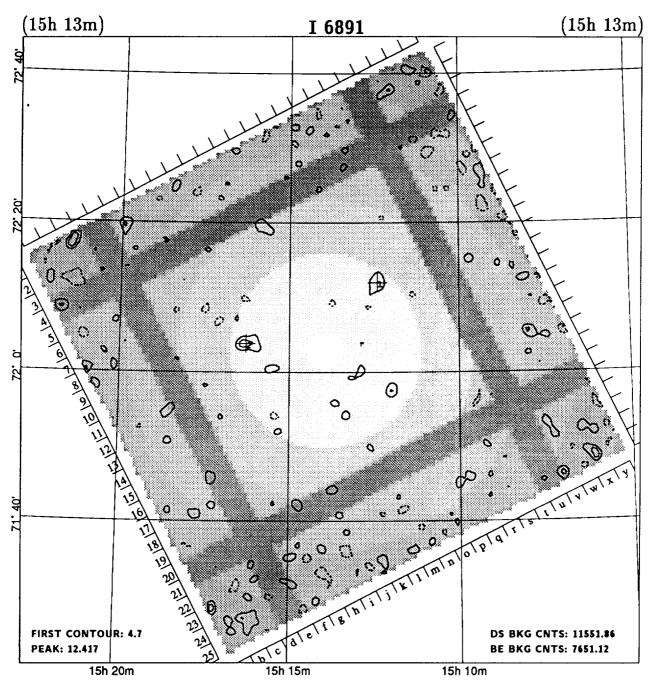


A 2050, MAGNETIC FIELDS IN CLUSTERS OF GALAXIES

FIELD CENTER: $15^h 13^m 42.0^s 00^\circ 16'59''$ (B1950) $15^h 16^m 15.6^s 00^\circ 05'59''$ (J2000) ℓ : 1.12 b: 45.97

DATE: 1979/227 - 1979/228 LIVETIME: 2583,1s ROLL ANGLE: 75.9° NH: 4.4E+20 REF/ID: FIELD FLAGS:

CAT	FLD	RA	DEC	±	COUNT	±	NET	BKG	S/N	SIZE	RECO	R'	SRC	ID
#	#	(1950)	(1950)	"	RATE		CTS	CTS		COR			FLG	
3404	1	15 13 44.6	00 16 35	31	0.0577	0.0057	111.1	8.9	10.1	2.5	0	0.8	Н	
3406	2	15 14 06.5	00 26 01	38	0.0481	0.0056	80.9	7.1	8.6	1.2	0	10.9	н	

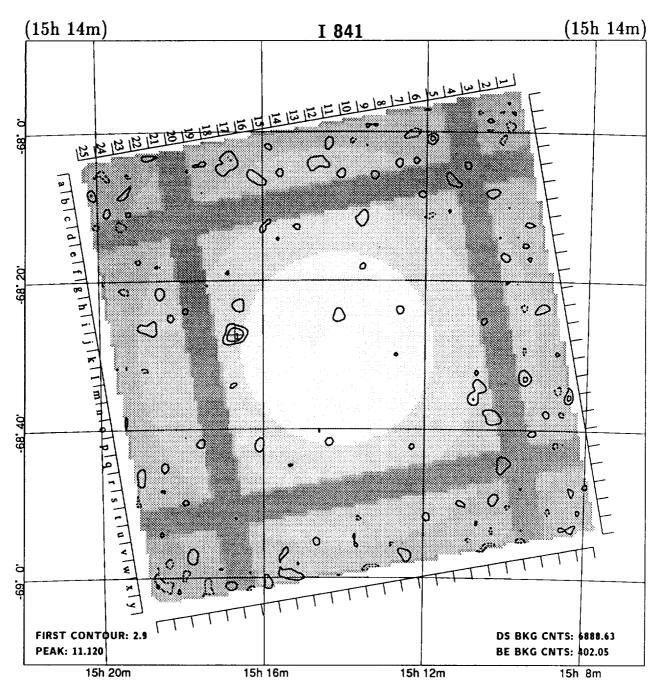


A2058,CLUSTER LUMINOSITIES @ Z=0.25.

FIELD CENTER: $15^h 13^m 48.0^s$ $72^o 02'59''$ (B1950) $15^h 13^m 48.3^s$ $71^o 51'54''$ (J2000) ℓ : 109.00 b: 41.19

DATE: 1980/103 - 1980/103 LIVETIME: 9697.0a ROLL ANGLE: -27.1° NH: 2.1E+20 REF/ID: CLG FIELD FLAGS:

CAT	FLD	RA	DEC	±	COUNT	±	NET	BKG	S/N	SIZE	RECO	R'	SRC	ID
#	#	(1950)	(1950)	"	RATE		стѕ	CTS		COR			FLG	
3397	1	15 12 24.3	72 11 59	42	0.0051	0.0015	32.1	50.9	3.5	0.7	0	10.9		
3411	2	15 16 16.9	72 03 51	42	0.0060	0.0014	38.1	45.9	4.2	1.0	0	11.9	Н	

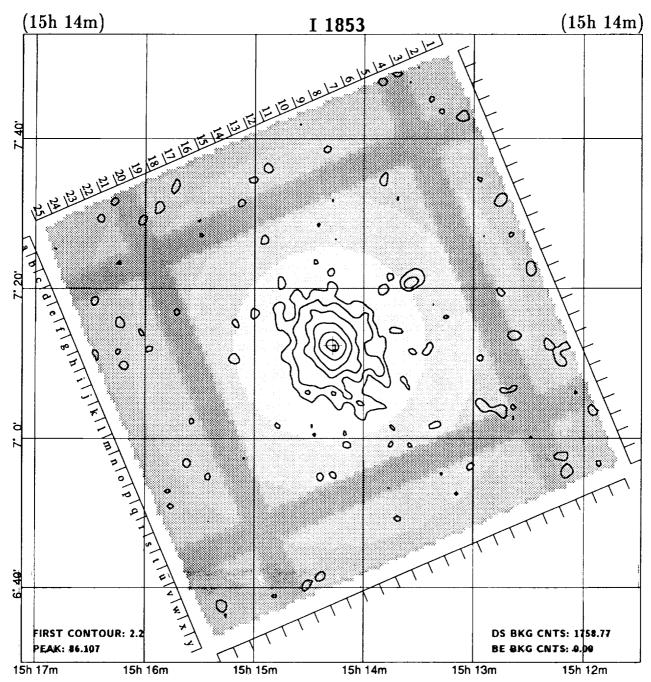


GAMMA TRA STELLAR OBSERVATIONS, A STARS

FIELD CENTER: $15^{h}14^{m}12.6^{s}$ $-68^{o}29'48''$ (B1950) $15^{h}18^{m}55.2^{s}$ $-68^{o}40'44''$ (J2000) ℓ : 315.71 b: -9.55

DATE: 1979/226 - 1979/226 LIVETIME: 5582.16 ROLL ANGLE: 80.3° NH: 8.5E+20 REF/ID: FIELD FLAGS:

Γ	CAT	FLD	RA	DEC	±	COUNT	±	NET	BKG	S/N	SIZE	RECO	R'	SRC	ID
	#	#	(1950)	(1950)	"	RATE		стѕ	CTS		COR			FLG	
Г	3413	1	15 16 41.7	-68 27 14	42	0.0106	0.0021	35.6	14.4	5.0	0.8	0	14.0	Н	



A2052: X-RAY STUDY OF CLUSTERS OF GALAXIES

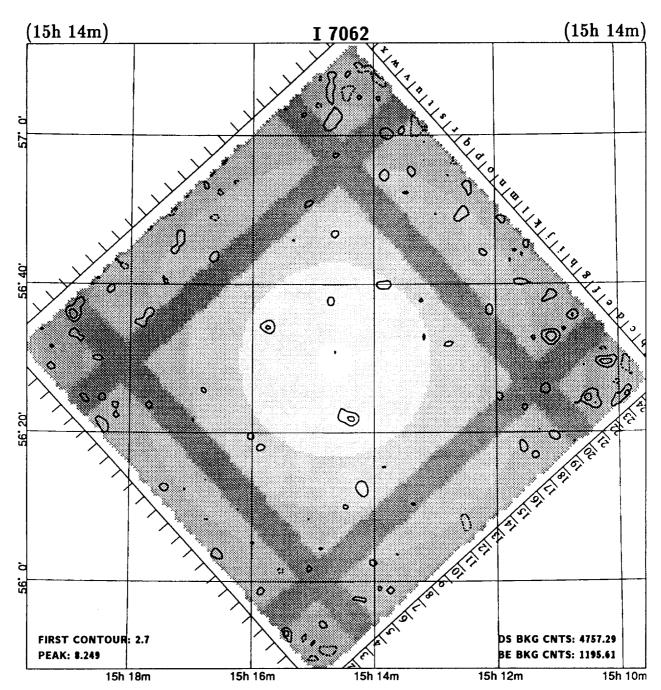
FIELD CENTER: $15^{h}14^{m}18.0^{s}$ $07^{o}11'59''$ (B1950) $15^{h}16^{m}45.5^{s}$ $07^{o}01'00''$ (J2000) ℓ : 9.41 b: 50.11

DATE: 1979/203 - 1979/203 LIVETIME: 1425.2s

ROLL ANGLE: 66.9°

NH: 2.9E+20 REF/ID: FIELD FLAGS: L

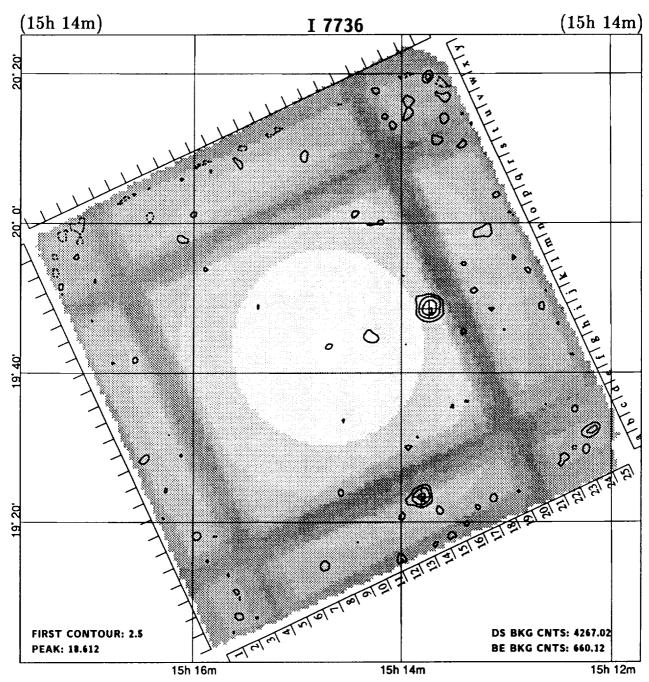
CAT	FLD	RA	DEC	±	COUNT	±	NET	BKG	S/N	SIZE	RECO	R'	SRC	ID
#	#	(1950)	(1950)	"	RATE		CTS	CTS		COR			FLG	
3407	1L	15 14 17.1	07 12 22	31	0.216	0.023	229.2	179.8	9.2	3.6	0	0.4		CLG



NGC 5907,LATE GALAXY SURVEY

FIELD CENTER: $15^{h}14^{m}37.0^{s}$ $56^{\circ}30'23''$ (B1950) $15^{h}15^{m}55.0^{s}$ $56^{\circ}19'24''$ (J2000) ℓ : 91.57 ℓ : 51.09

DATE: 1980/ 2 - 1980/ 2 LIVETIME: 3855.0s ROLL ANGLE: -132.0° NH: 1.4E+20 REF/ID: FIELD FLAGS:

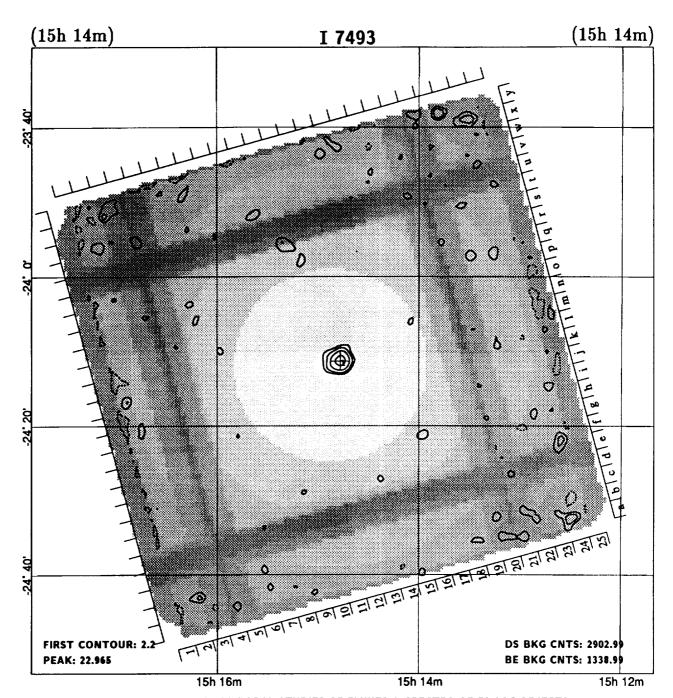


1514+197, FAINT BL LAC OBJECTS

FIELD CENTER: $15^{h}14^{m}41.0^{s}$ $19^{o}43'11''$ (B1950) $15^{h}16^{m}56.8^{s}$ $19^{o}32'13''$ (J2000) ℓ : 27.99 θ : 55.87

DATE: 1980/ 22 - 1980/ 22 LIVETIME: 3457.7s ROLL ANGLE: -115.1° NH: 3.6E+20 REF/ID: FIELD FLAGS:

CAT	FLD	RA	DEC	±	COUNT	±	NET	BKG	S/N	SIZE	RECO	R'	SRC	D
#	#	(1950)	(1950)	"	RATE		CTS	CTS		COR			FLG	
3403	1	15 13 44.1	19 48 32	41	*0.0296	0.0041	61.2	9.8	7.3	1.1	501	14.5	Н	
3405	2	15 13 48.4	19 23 21	51	*0.0155	0.0036	24.4	7.6	4.3	0.9	704	23.2		



PKS 1514-242A, TEMPORAL STUDIES OF FLUXES & SPECTRA OF BL LAC OBJECTS

FIELD CENTER: 15h14m45.0s -24°11'19" (B1950) 15h17m41.5s -24°22'16" (J2000)

ℓ: 340.68 b: 27.58

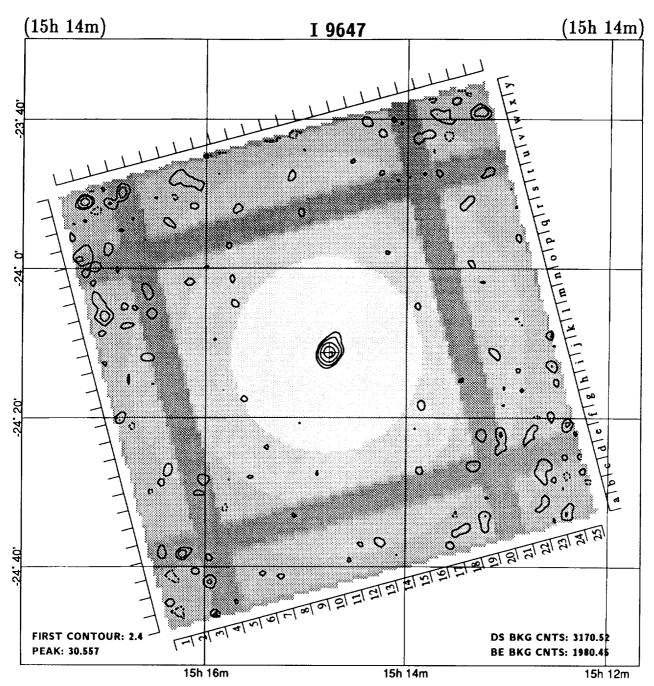
DATE: 1981/ 41 - 1981/ 41 LIVETIME: 2352.4s

ROLL ANGLE: -105.2°

NH: 8.8E+20 REF/ID:

FIELD FLAGS: CL

CAT	FLD	RA	DEC	±	COUNT	±	NET	BKG	S/N	SIZE	RECO	R'	SRC	ID
#	#	(1950)	(1950)	"	RATE		CTS	CTS		COR			FLG	
3408	1L	15 14 46.7	-24 11 19	31	0.0531	0.0068	93.3	16.7	7.6	1.1	0	0.4	А	BL

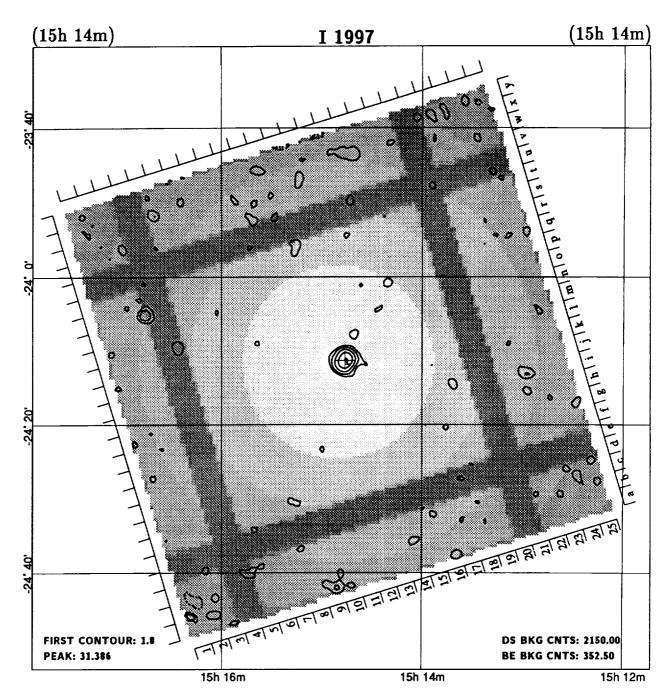


PKS 1514-242A, TEMPORAL STUDY OF FLUXES AND SPECTRA OF BL LAC OBJECTS

FIELD CENTER: $15^{h}14^{m}45.0^{s}$ -24°11′19″ (B1950) $15^{h}17^{m}41.5^{s}$ -24°22′16″ (J2000) ℓ : 340.68 b: 27.58

DATE: 1981/ 39 - 1981/ 39 LIVETIME: 2569.2s ROLL ANGLE: -105.0° NH: 8.8E+20 REF/ID: FIELD FLAGS: CL

CAT	FLD	RA	DEC	±	COUNT	±	NET	BKG	S/N	SIZE	RECO	R'	SRC	ID
#	#	(1950)	(1950)	"	RATE		CTS	CTS	j	COR			FLG	
3408	1L	15 14 46.0	-24 11 16	31	0.0588	0.0067	112.6	16.4	8.6	1.0	0	0.3	Α	BL



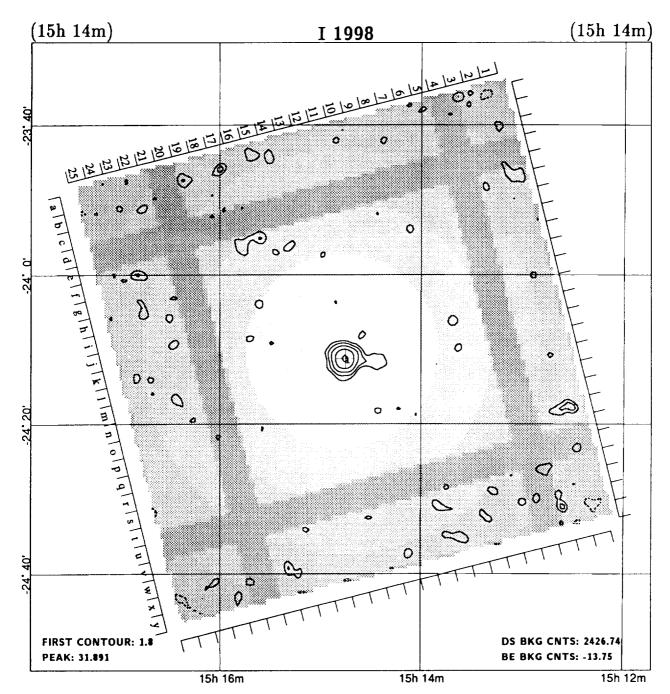
X-RAY STUDY OF BL LAC OBJECTS: AP LIBRA

DATE: 1979/ 57 - 1979/ 57

FIELD CENTER: 15^h14^m48.0^s -24°10′59" (B1950) 15^h17^m44.5^s -24°21′56" (J2000)

15^h17^m44.5^s -24°21'56" (J2000) LIVETIME: 1742.2_s £: 340.69 b: 27.58 ROLL ANGLE: -106.8° NH: 8.8E+20 REF/ID: 1 FIELD FLAGS: C

CAT	FLD	RA	DEC	±	COUNT	±	NET	BKG	S/N	SIZE	RECO	R'	SRC	ID
#	#	(1950)	(1950)	"	RATE		CTS	CTS		COR			FLG	
3408	1	15 14 46.1	-24 11 20	31	0.0856	0.0084	111.0	7.0	10.2	1.0	0	0.4	AH	BL



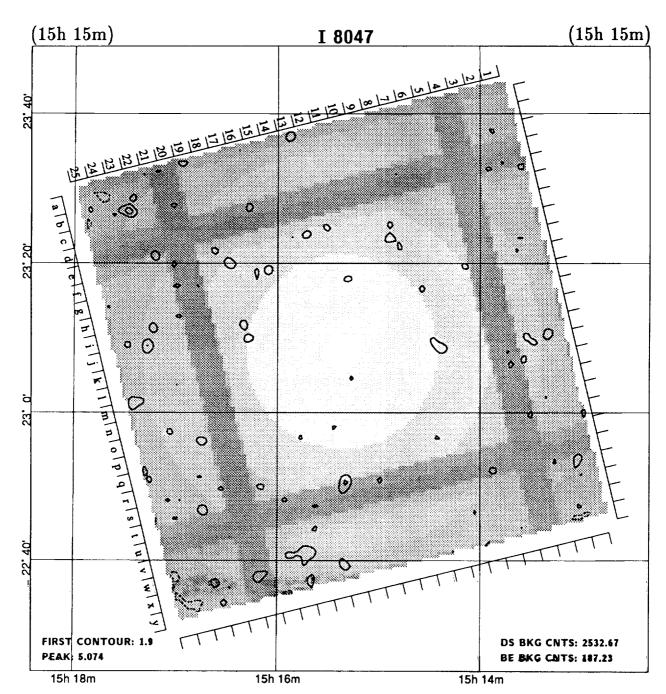
X-RAY STUDY OF BL LAC OBJECTS: AP LIBRA

FIELD CENTER: $15^h 14^m 48.0^s$ -24°10′59″ (B1950) $15^h 17^m 44.5^s$ -24°21′56″ (J2000) ℓ : 340.69 b: 27.58 DATE: 1979/215 - 1979/215 LIVETIME: 1966.5s

ROLL ANGLE: 75.9°

NH: 8.8E+20 REF/ID: FIELD FLAGS: C

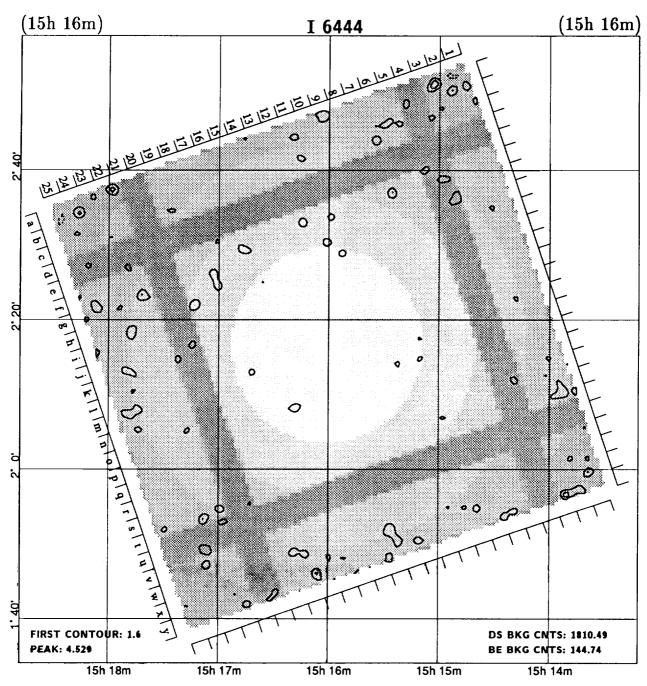
SIZE RECO SRC RA DEC COUNT NET BKG S/N ID CAT FLD \pm (1950) RATE **CTS** COR FLG # # (1950)CTS 3408 15 14 45.1 -24 11 17 0.0955 0.0082 139.5 5.5 11.6 1.4 8.0 ΑH ΒL



189576, OPTICALLY SELECTED RADIO-QUIET QSOS W/ CONT. SPECTRUM

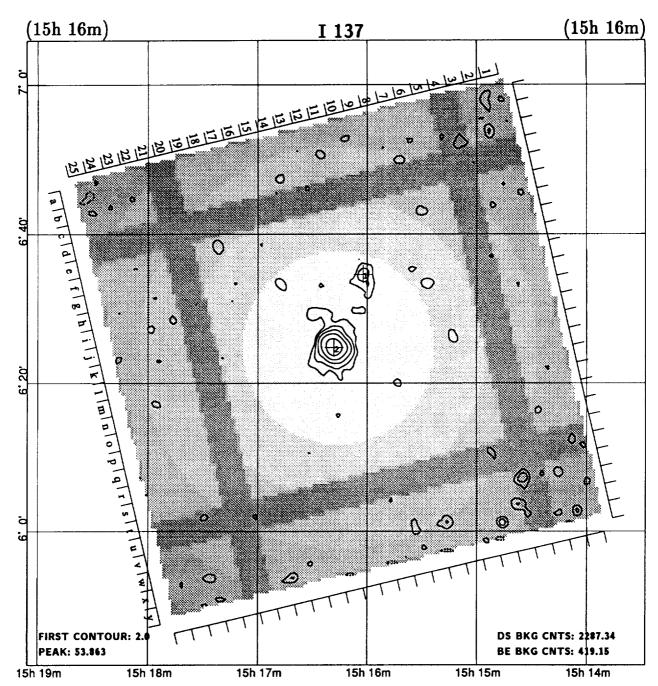
FIELD CENTER: $15^h 15^m 22.6^s$ $23^o 07' 10''$ (B1950) $15^h 17^m 34.9^s$ $22^o 56' 14''$ (J2000) ℓ : 33.92 b: 56.75

DATE: 1980/228 - 1980/228 LIVETIME: 2052.3s ROLL ANGLE: 76.2° NH: 3.9E+20 REF/ID: FIELD FLAGS:



NGC 5904,GLOBULAR CLUSTER SURVEY

FIELD CENTER: 15^h16^m00.0^s 02°15'59" (B1950) DATE: 1980/213 - 1980/213 NH: 3.8E+20 15^h18^m31.8^s 02°05'06" (J2000) LIVETIME: 1467.1_s REF/ID: 4: 3.86 b: 46.80 ROLL ANGLE: 71.2° FIELD FLAGS:



A2055 CLUSTER SURFACE BRIGHTNESS

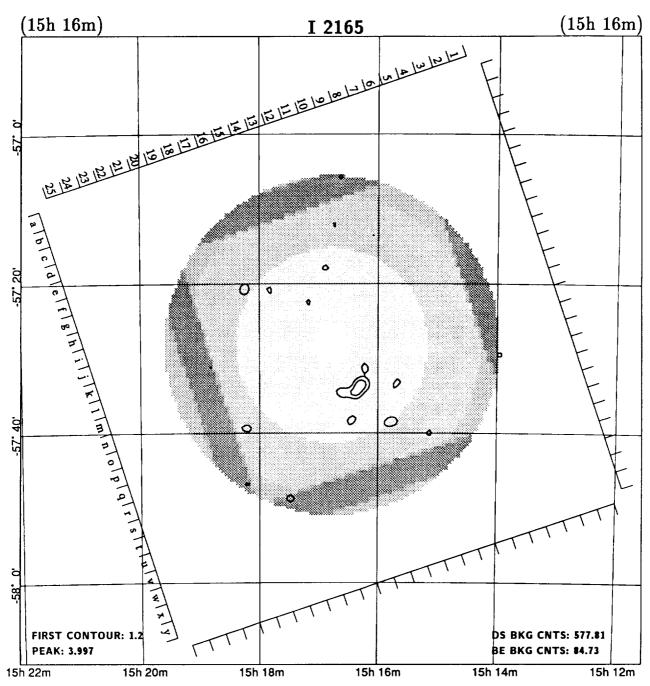
FIELD CENTER: 15h16m16.8 06°23'59" (B1950) 15^h18^m44.9^s 06°13'07" (J2000)

l: 8.84 b: 49.25

DATE: 1979/228 - 1979/228 LIVETIME: 1853.5 ROLL ANGLE: 76.9°

NH: 3.2E+20 REF/ID: FIELD FLAGS:

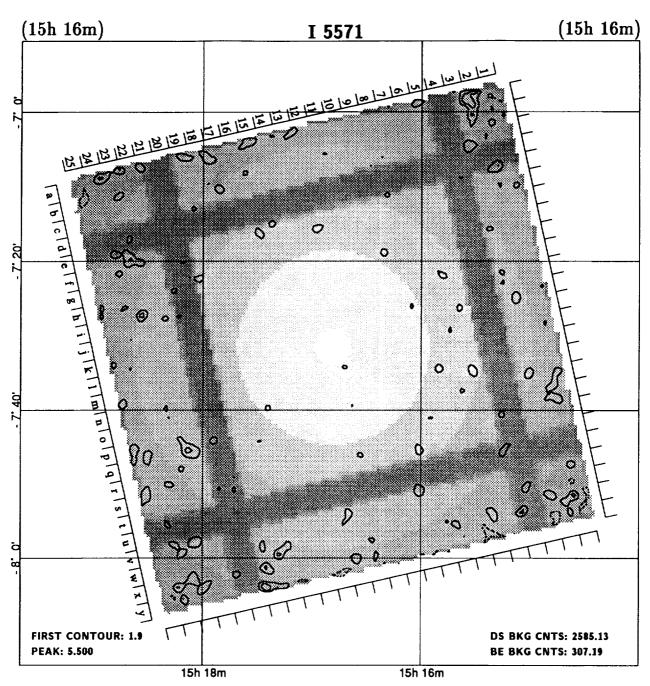
	CAT	FLD	RA	DEC	±	COUNT	±	NET	BKG	S/N	SIZE	RECO	R'	SRC II	ID
1	#	#	(1950)	(1950)	"	RATE		CTS	CTS		COR			FLG	
	3410	1	15 16 02.3	06 34 37	43	0.0144	0.0040	17.6	6.4	3.6	1.1	0	11.1	Н	
	3412	2	15 16 18.3	06 24 47	31	0.179	0.012	246.5	7.5	15.5	1.6	0	0.8	н	



X-RAY STUDY OF SUPERNOVA REMNANTS: G321.9-0.3

FIELD CENTER: $15^{h}16^{m}48.0^{s}$ -57°28′59″ (B1950) $15^{h}20^{m}41.9^{s}$ -57°39′48″ (J2000) ℓ : 321.85 b: -0.38 DATE: 1979/238 - 1979/238 LIVETIME: 468.2s ROLL ANGLE: 71.6°

NH: 1.6E+21 REF/ID: FIELD FLAGS:



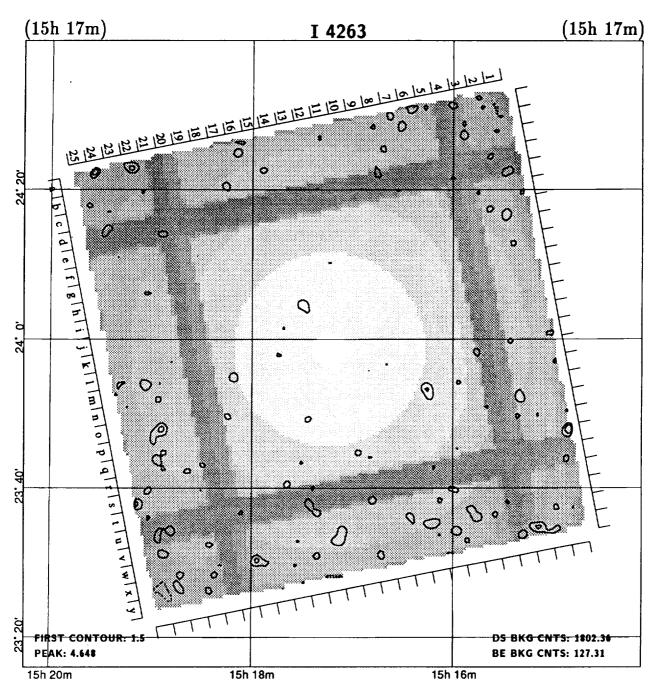
DM-7 4003

FIELD CENTER: 15^h16^m50.0^s -07°32'23" (B1950) 15^h19^m30.6* -07°43'14" (J2000)

ℓ: 354.09 b: 40.01

DATE: 1980/239 - 1980/239 LIVETIME: 2094.8s ROLL ANGLE: 77.3°

NH: 6.8E+20 REF/ID: FIELD FLAGS:



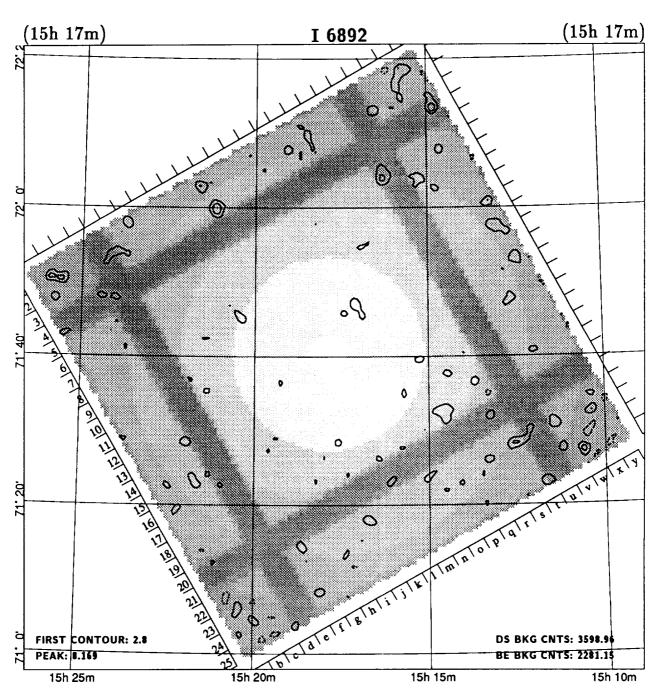
OPTICALLY BRIGHT, RADIO-QUIET QSO LB 9612

FIELD CENTER: 15^h17^m12.0^s 23°57'59" (B1950) 15^h 19^m 23.2^s 23°47′10″ (J2000)

ℓ: 35.60 b: 56.56

DATE: 1980/227 - 1980/227 LIVETIME: 1460.5 ROLL ANGLE: 78.9°

NH: 3.9E+20 REF/ID: FIELD FLAGS:



A2068,CLUSTER LUMINOSITIES @ Z=0.25.

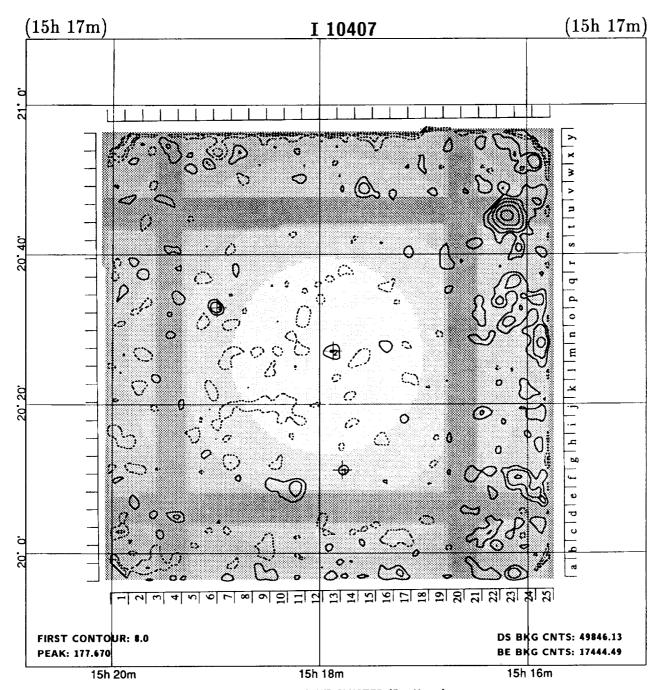
FIELD CENTER: 15^h17^m42.0^s 71°39'59" (B1950) 15^h17^m43.4^s 71°29'07" (J2000)

ℓ: 108.36 b: 41.25

DATE: 1980/102 - 1980/102 LIVETIME: 3021.1s

ROLL ANGLE: -29.5°

NH: 2.2E+20 REF/ID: CLG FIELD FLAGS:

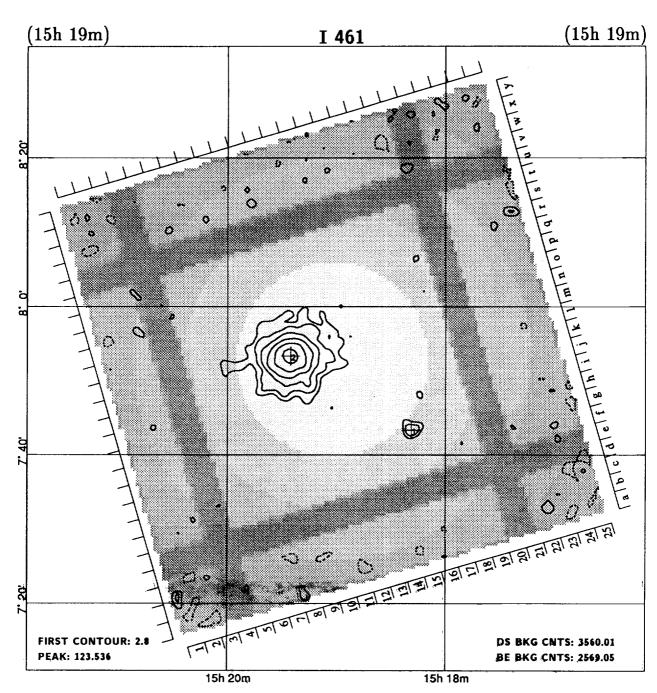


3C 318: DISTANT CLUSTER (Pat Henry)

FIELD CENTER: $15^h17^m51.0^s$ $20^\circ26'52''$ (B1950) $15^h20^m05.8^s$ $20^\circ16'05''$ (J2000) ℓ : 29.64 δ : 55.41

DATE: 1981/ 59 - 1981/ 59 12000) LIVETIME: 40391.7* ROLL ANGLE: -90.4° NH: 4.0E+20 REF/ID: FIELD FLAGS: LS

ſ	CAT	FLD	RA	DEC	±	COUNT	±	NET	BKG	S/N	SIZE	RECO	R'	SRC	ID
1	#	#	(1950)	(1950)	"	RATE		CTS	CTS		COR			FLG	
	3414	1L	15 17 46.9	20 11 09	54	0.00304	0.00071	71.9	107.1	4.2	0.5	0	15.7		
	3415	2L	15 17 52.2	20 27 06	35	0.00344	0.00066	103.2	149.8	5.1	0.6	0	0.4		CLG
	3417	3L	15 18 59.7	20 32 56	50	0.00462	0.00074	105.8	87.2	6.1	0.7	0	17.2		



NGC 5919/29/31 ABNORMAL GALAXIES SURVEY

FIBLD CENTER: 15h19m00.0s 07052'59" (B1950) 15^h21^m26.7^s 07°42'16" (J2000)

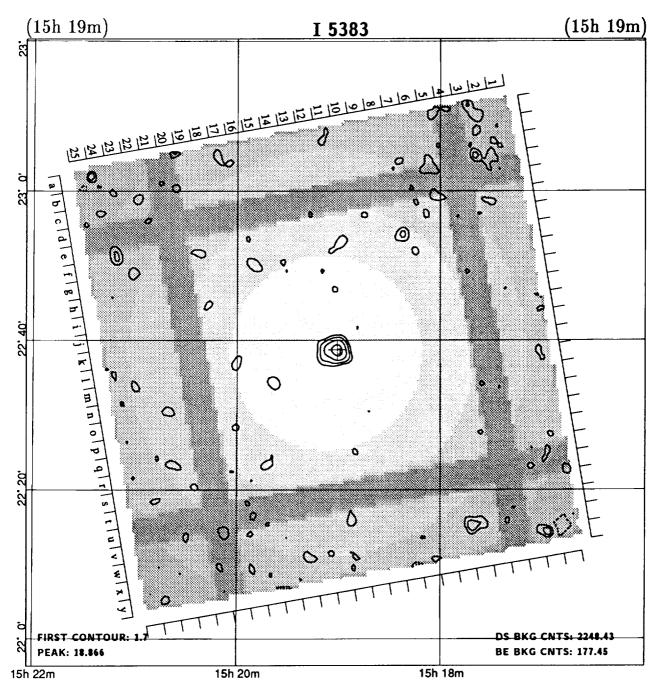
ℓ: 11.31 b: 49.54

DATE: 1979/ 36 - 1979/ 36 LIVETIME: 2884.8s

ROLL ANGLE: -106.3°

NH: 2.9E+20 REF/ID: FIELD FLAGS: L

CAT	FLD	RA	DEC	±	COUNT	±	NET	BKG	S/N	SIZE	RECO	R'	SRC	ID
#	#	(1950)	(1950)	"	RATE		стѕ	CTS		COR			FLG	
3416	1L	15 18 18.7	07 43 19	42	0.0216	0.0045	37.5	8.5	4.7	0.8	0	14.1		
3419	2L	15 19 25.3	07 53 24	37	0.147	0.014	300.1	272.9	10.1	2.8	0	6.3	Α	CLG



SURVEY OF BRIGHT QUASARS (PG)

FIELD CENTER: 15h19m02.1s 22038'21" (B1950) 15^h21^m14.6^s 22°27'38" (J2000)

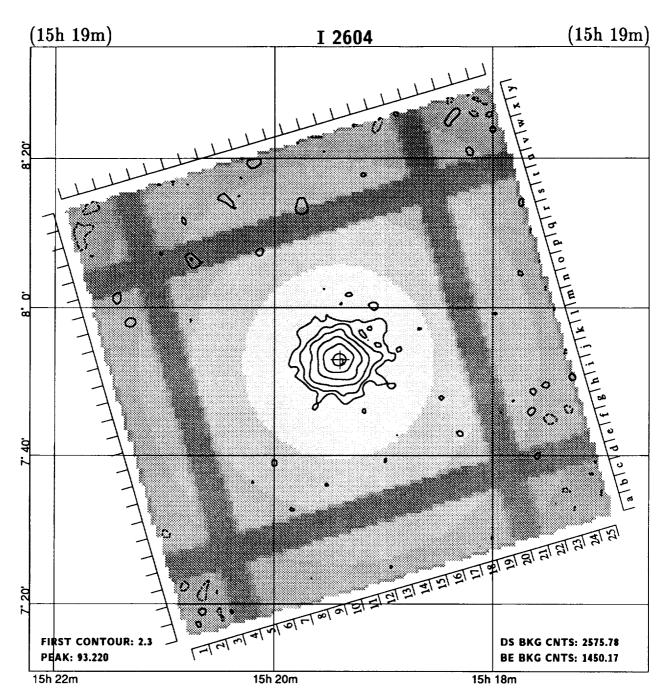
ℓ: 33.49 b: 55.81

DATE: 1980/225 - 1980/225 LIVETIME: 1822.0s

REF/ID: FIELD FLAGS: ROLL ANGLE: \$0.3°

NH: 4.0E+20

	CAT	FLD	RA	DEC	±	COUNT	±	NET	BKG	S/N	SIZE	RECO	R'	SRC	ID
	#	#	(1950)	(1950)	"	RATE		CTS	CTS		COR			FLG	
Г	3418	1	15 19 00.6	22 38 43	32	0.0535	0.0065	72.2	5.8	8.2	1.2	0	0.2	Н	Q



MKW 3S: CD GALAXIES IN POOR CLUSTERS

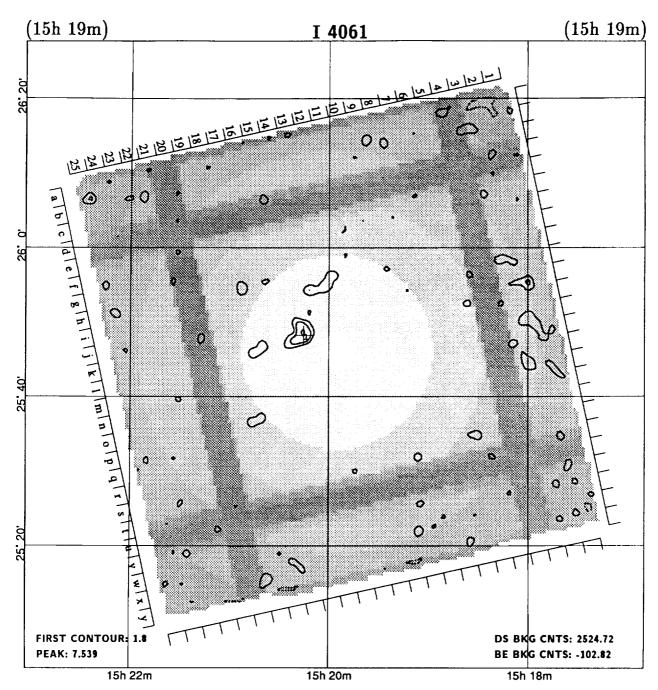
FIELD CENTER: $15^h 19^m 24.0^s 07^\circ 52' 59''$ (B1950) $15^h 21^m 50.7^s 07^\circ 42' 17''$ (J2000) ℓ : 11.39 b: 49.45

07°42'17" (J2000) LIVETIME: 2087.2s 9.45 ROLL ANGLE: -106.3°

DATE: 1979/ 36 - 1979/ 36

NH: 2.9E+20 REF/ID: FIELD FLAGS: L

CAT	FLD	RA	DEC	±	COUNT	±	NET	BKG	S/N	SIZE	RECO	R'	SRC	ID
#	#	(1950)	(1950)	"	RATE		стѕ	CTS		COR			FLG	
3419	1L	15 19 24.0	07 52 59	31	0.160	0.017	249.7	210.3	9.4	3.0	0	0.2	Α	CLG



LB 9657, RADIO QUIET QUASAR WITH CONTINUOUS SPECTRUM

FIELD CENTER: 15^h19^m56.6^s 25°45'41" (B1950) 15^h22^m05.6^s 25°35'01" (J2000)

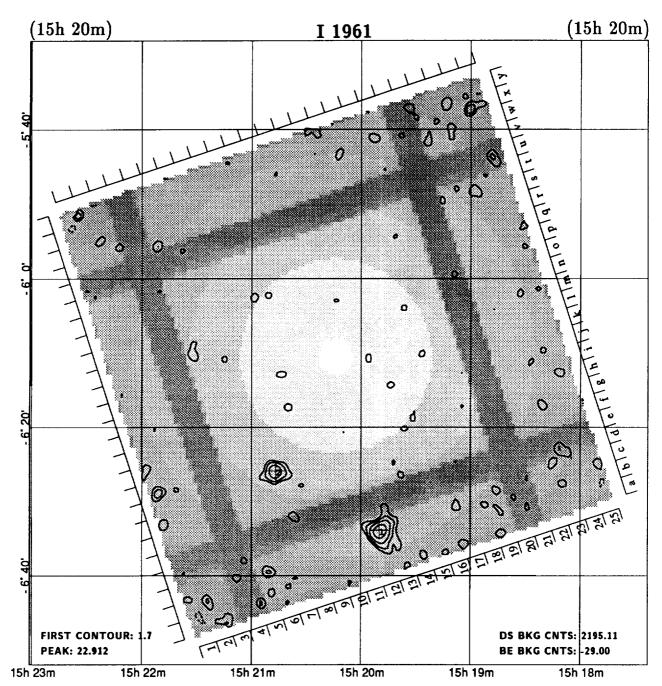
ℓ: 39.02 b: 56.34

DATE: 1979/225 - 1979/225 LIVETIME: 2045.8s

ROLL ANGLE: 77.6°

NH: 3.8E+20 REF/ID: FIELD FLAGS:

ſ	CAT	FLD	RA	DEC	±	COUNT	±	NET	BKG	S/N	SIZE	RECO	R'	SRC	ID
	#	#	(1950)	(1950)	"	RATE		CTS	CTS		COR			FLG	
Γ	3425	1	15 20 15.3	25 48 16	42	0.0179	0.0039	26.2	5.8	4.6	1.1	0	5.1	Н	\Box

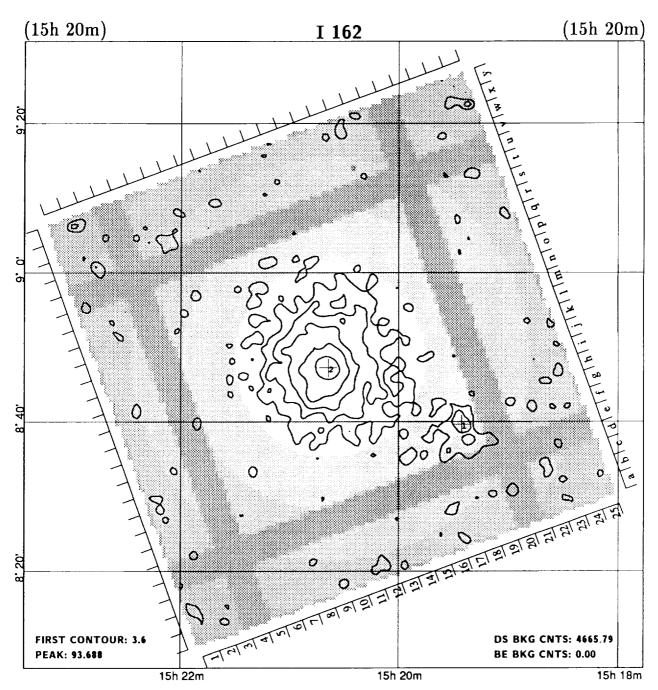


4C 06.41: SEYFERT AND N-TYPE GALAXIES

FIELD CENTER: $15^{h}20^{m}12.0^{s}$ -06°09'59" (B1950) $15^{h}22^{m}51.4^{s}$ -06°20'38" (J2000) ℓ : 356.14 b: 40.39

DATE: 1980/ 41 - 1980/ 41 LIVETIME: 1778.8s ROLL ANGLE: -108.1° NH: 6.9E+20 REF/ID: FIELD FLAGS:

CAT	FLD	RA	DEC	±	COUNT	±	NET	BKG	S/N	SIZE	RECO	R'	SRC	ID
#	#	(1950)	(1950)	"	RATE		CTS	CTS		COR			FLG	
3422	1	15 19 49.9	-06 33 57	50	0.0669	0.0095	52.7	3.3	7.0	1.3	200	24.5	Н	Q
3429	2	15 20 46.8	-06 25 55	50	0.0333	0.0062	32.7	4.3	5.4	1.0	0	18.1	н	



A2063 CLUSTER SURFACE BRIGHTNESS

FIELD CENTER: 15^h20^m36.0^s 08°48'57" (B1950) 15^h23^m01.8^s 08°38'19" (J2000)

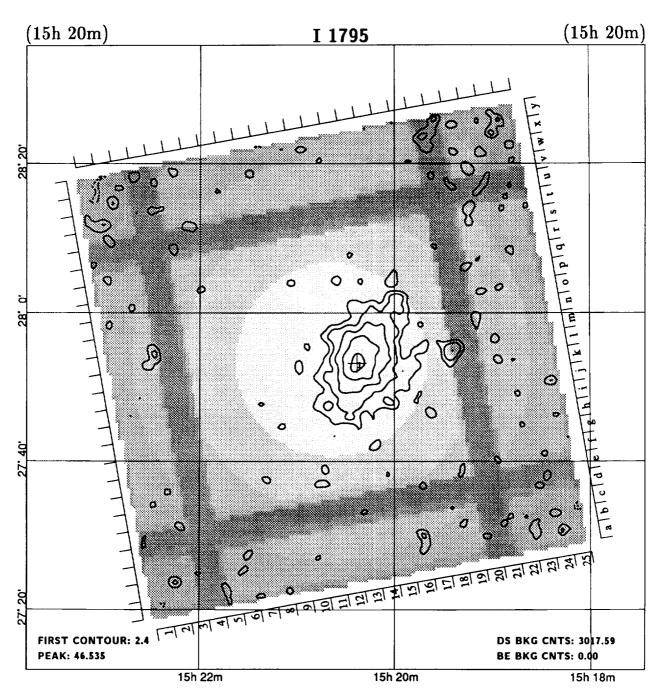
ℓ: 12.85 b: 49.71

DATE: 1979/ 36 - 1979/ 36 LIVETIME: 3780.8

NH: 2.9E+20 REF/ID:

ROLL ANGLE: -110.0° FIELD FLAGS: L

CAT	FLD	RA	DEC	±	COUNT	±	NET	BKG	S/N	SIZE	RECO	R′	SRC	ID
#	#	(1950)	(1950)	"	RATE		CTS	CTS		COR			FLG	
3421	1L	15 19 25.4	08 39 39	52	0.0174	0.0046	33.7	20.3	3.7	2.7	100	19.8	Α	
3427	2L	15 20 38.6	08 47 14	31	0.0782	0.0099	219.6	278.4	7.8	7.0	0	1.9	Α	CLG



A2065: STUDY, CLUSTERS OF GALAXIES

FIELD CENTER: 15^h20^m36.0^s 27°53'59" (B1950)

15^h22^m42.6^s 27°43'21" (J2000)

ℓ: 42.88 b: 56.56

DATE: 1979/ 30 - 1979/ 30

LIVETIME: 2445.2s

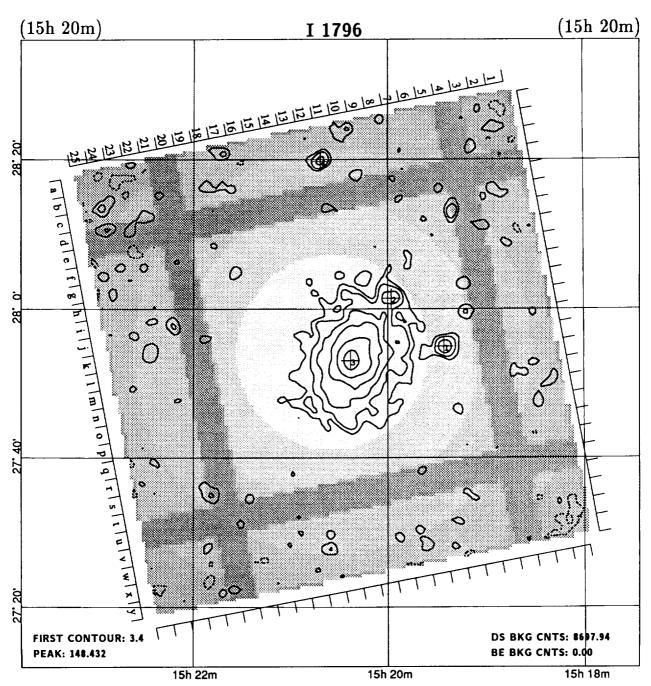
ROLL ANGLE: -100.1°

NH: 2.9E+20

REF/ID:

FIELD FLAGS: CL

CAT	FLD	RA	DEC	±	COUNT	±	NET	BKG	S/N	SIZE	RECO	R'	SRC	ID
#	#	(1950)	(1950)	"	RATE		CTS	CTS		COR			FLG	
3426	1L	15 20 23.0	27 53 12	31	0.058	0.011	103.3	144.7	5.1	5.4	0	2.9	Α	CLG



A2065: STUDY, CLUSTERS OF GALAXIES

FIELD CENTER: 15h20m36.0 27°53'59" (B1950) 15^h22^m42.6^s 27°43'21" (J2000)

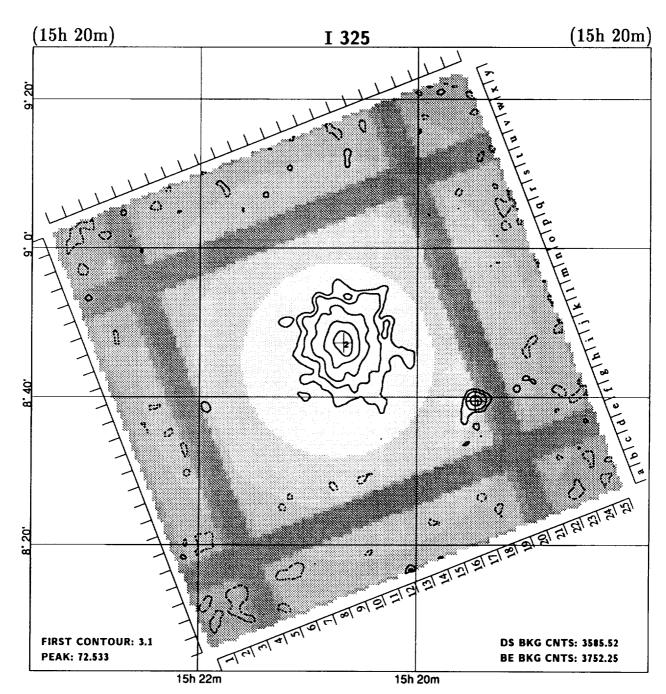
ℓ: 42.88 b: 56.56

DATE: 1979/227 - 1979/227 LIVETIME: 7048.2s

ROLL ANGLE: 79.3°

NH: 2.9E+20 REF/ID: FIELD FLAGS: CL

CAT	FLD	RA	DEC	±	COUNT	±	NET	BKG	S/N	SIZE	RECO	R'	SRC	ID
#	#	(1950)	(1950)	"	RATE		CTS	CTS		COR			FLG	
3420	11.	15 19 25.4	27 54 56	50	0.0181	0.0027	75.0	18.0	6.6	1.1	0	15.6		AGN
3423	2L	15 19 57.8	28 01 25	41	0.0135	0.0027	62.3	43.7	4.9	42.7	0	11.3		
3426	3L	15 20 23.0	27 53 03	31	0.0674	0.0067	347.9	415.1	10.0	5.3	0	3.0	Α	CLG
3428	4L	15 20 41.6	28 19 44	51	0.0130	0.0027	38.5	9.5	4.7	0.8	0	25.7		

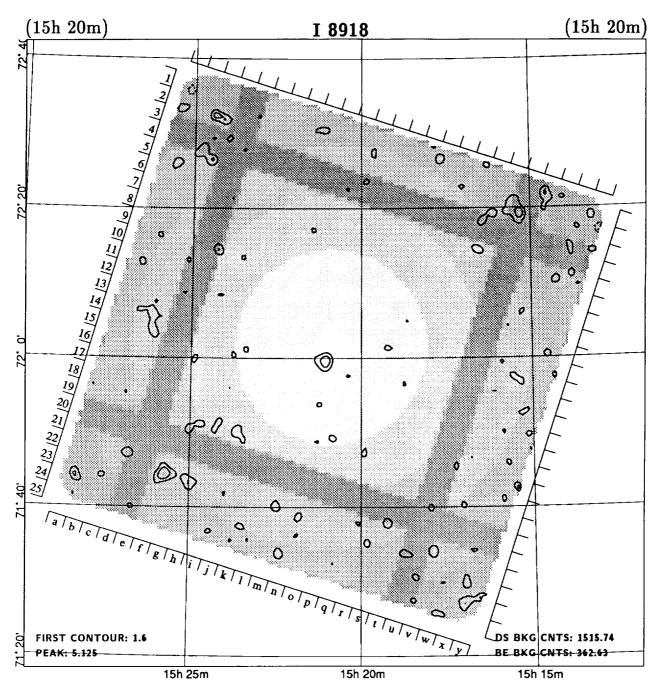


NORMAL GALAXY GROUPS

FIELD CENTER: $15^h 20^m 42.0^s$ $08^o 44'59''$ (B1950) $15^h 23^m 07.9^s$ $08^o 34'22''$ (J2000) ℓ : 12.78 b: 49.66

DATE: 1979/ 24 - 1979/ 24 LIVETIME: 2905.5s ROLL ANGLE: -111.4° NH: 2.9E+20 REF/ID: FIELD FLAGS: L

CAT	FLD	RA	DEC	±	COUNT	±	NET	BKG	S/N	SIZE	RECO	R'	SRC	ID
#	#	(1950)	(1950)	"	RATE		стѕ	CTS		COR			FLG	
3421	1L	15 19 28.1	08 39 30	50	*0.0308	0.0079	46.5	19.5	3.7	1.1	703	19.0	Α	
3427	2L	15 20 40.6	08 47 17	31	0.071	0.012	152.5	230.5	6.1	4.9	0	2.4	Α	CLG



GAMMA UMI, EMISSION FROM DELTA SCUTI STARS

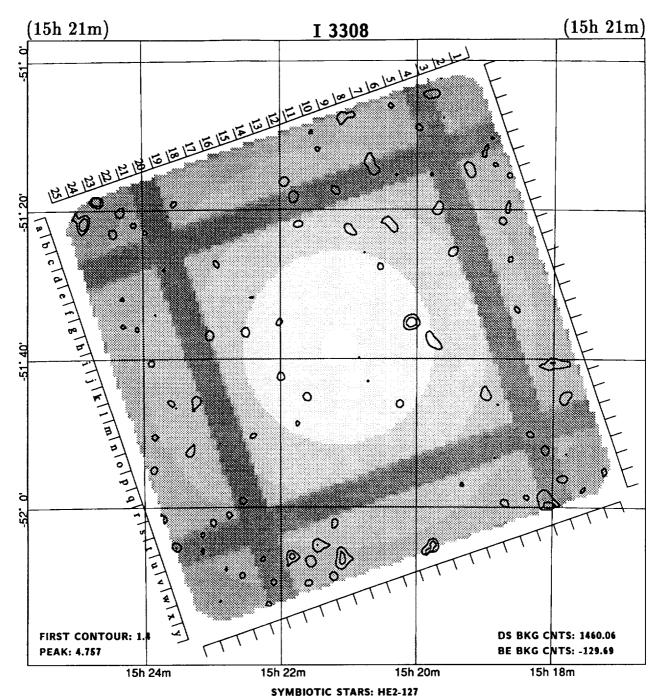
FIELD CENTER: 15h20m47.4 72000'42" (81950) 15^h20^m43.9^s 71°50'01" (J2000)

ℓ: 108.46 *b*: 40.84

DATE: 1980/153 - 1980/153 LIVETIME: 1228.3s

ROLL ANGLE: 17.4°

NH: 2.2E+20 REF/ID: FIELD FLAGS:



FIELD CENTER: 15h21m10.4s -51°39'14" (B1950) 15h24m49.8" -51°49'49" (J2000)

ℓ: 325.54 b: 4.18

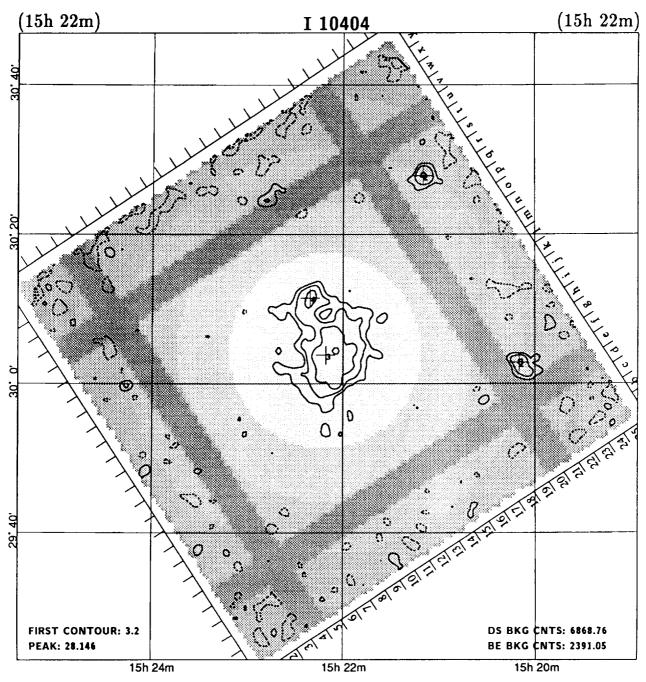
DATE: 1979/240 - 1979/240 LIVETIME: 1183.1s

ROLL ANGLE: 71.2°

REF/ID: S

NH: 1.5E+21

FIELD FLAGS:



NEW CLUSTER

FIELD CENTER: 15^h22^m10.0^s 30°04′58" (B1950) 15h24m13.8 29°54'25" (J2000)

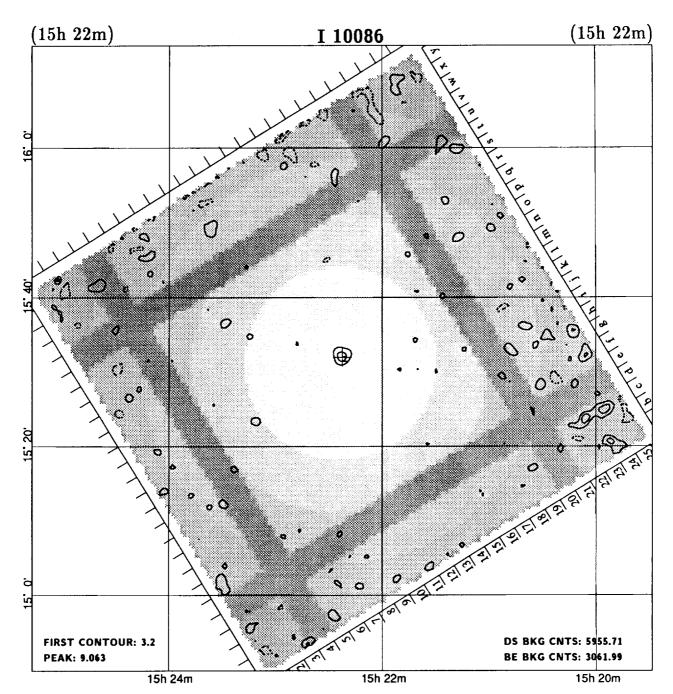
l: 46.88 b: 56.47

DATE: 1981/ 11 - 1981/ 11 LIVETIME: 5566.1s

ROLL ANGLE: -123.3°

NH: 2.0E+20 REF/ID: S FIELD FLAGS:

CAT	FLD	RA	DEC	±	COUNT	±	NET	BKG	S/N	SIZE	RECO	R'	SRC	ID
#	#	(1950)	(1950)	"	RATE		CTS	CTS		COR			FLG	
3424	1	15 20 09.8	30 02 48	51	*0.0119	0.0029	27.2	15.8	4.2	1.2	601	26.1	Н	
3430	2	15 21 09.8	30 27 50	55	0.0133	0.0029	29.5	12.5	4.5	1.1	0	26.4		\$
3432	3	15 22 10.8	30 03 49	32	0.0293	0.0029	121.4	23.6	10.1	7.8	0	0.9	aH	CLG
3433	4	15 22 20.7	30 11 29	41	0.0190	0.0025	72.9	22.1	7.5	16.7	0	7.8	AH	CLG

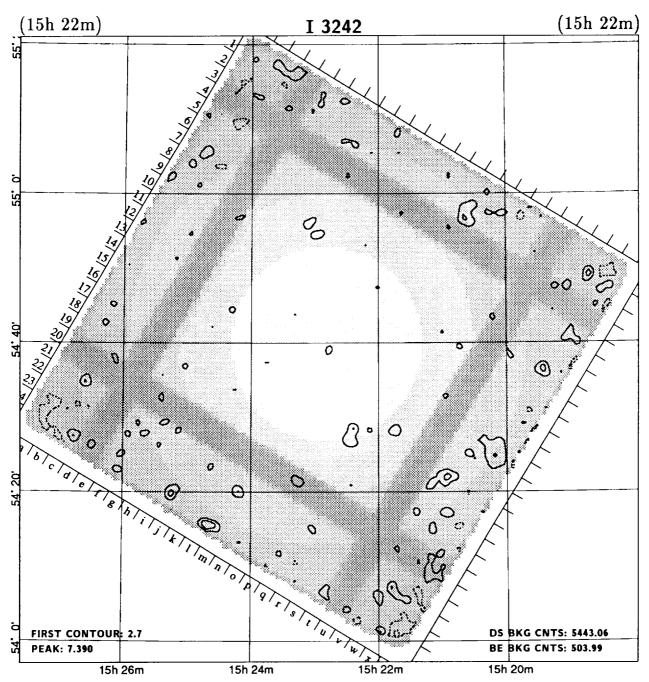


NEAR-SIMULTANEOUS OBSRV's OF OVV QSO's: 1522+155

FIELD CENTER: $15^h22^m22.4^s$ $15^o31'47''$ (B1950) $15^h24^m41.8^s$ $15^o21'15''$ (J2000) ℓ : 22.57 ℓ : 52.57

DATE: 1981/ 8 - 1981/ 8 LIVETIME: 4826.1s ROLL ANGLE: -121.6° NH: 2.8E+20 REF/ID: FIELD FLAGS: L

ſ	CAT	FLD	RA	DEC	±	COUNT	±	NET	BKG	S/N	SIZE	RECO	R'	SRC	ID
l	#	#	(1950)	(1950)	"	RATE		CTS	CTS		COR			FLG	
Γ	3434	1L	15 22 22.5	15 31 58	36	0.0108	0.0026	38.8	20.2	4.1	0.8	0	0.2		



3C 319: DISTANT CLUSTERS ASSC W/QSO'S

FIELD CENTER: 15h22m47.0 54°39'10" (B1950) 15^h24^m07.9^s 54°28'38" (J2000)

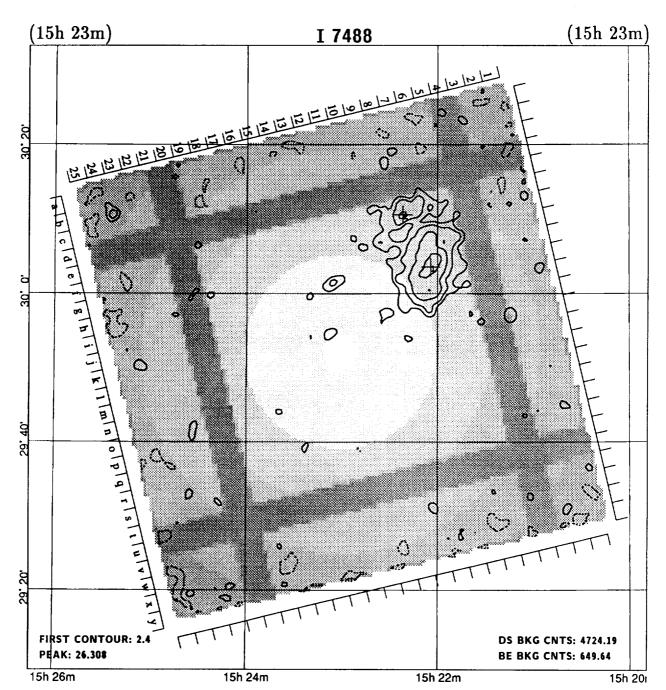
ℓ: 88.10 b: 51.04

DATE: 1979/167 - 1979/168 LIVETIME: 4410.7s

ROLL ANGLE: 31.1°

NH: 1.2E+20 REF/ID:

FIELD FLAGS:



B2 1523+29, SURVEY OF X-RAY EMISSION FROM BL LAC OBJECTS

FIELD CENTER: 15^h23^m02.1^s 29°51'23" (B1950) 15h25m06.1s 29°40'53" (J2000)

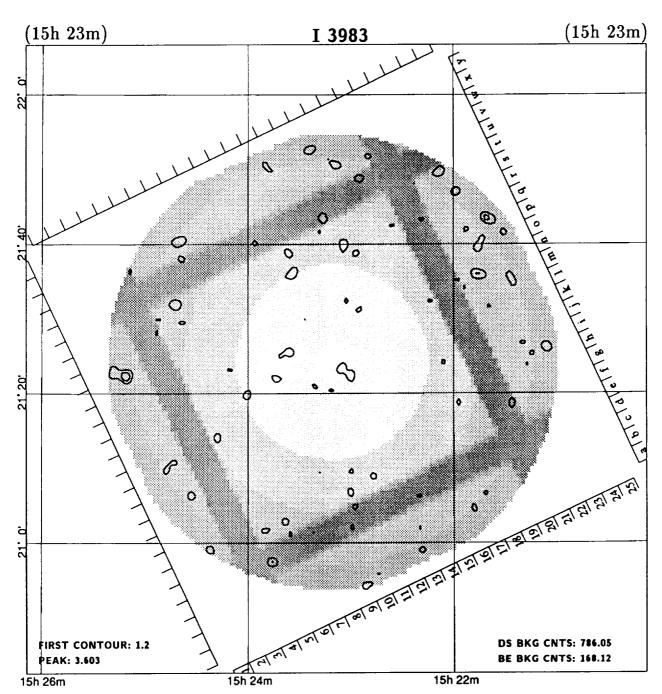
ℓ: 46.50 b: 56.27

DATE: 1980/223 - 1980/223 LIVETIME: 3828.1s

ROLL ANGLE: 76.4°

NH: 2.0E+20 REF/ID: ! FIELD FLAGS: D

CAT	FLD	RA	DEC	±	COUNT	±	NET	BKG	S/N	SIZE	RECO	R'	SRC	ID
#	#	(1950)	(1950)	"	RATE		стѕ	CTS		COR			FLG	
3431	1	15 22 04.3	30 03 35	48	0.0440	0.0048	94.8	11.2	9.2	6.0	0	17.2	aH	CLG
3433	2	15 22 21.9	30 10 34	51	0.0162	0.0033	31.4	10.6	4.8	17.0	100	21.0	AH	CLG



LB 9707, BRIGHT OPTICALLY-SELECTED QUASAR

FIELD CENTER: 15^h23^m08.8^s 21°24'35" (B1950) 15^h25^m22.2^s 21°14'06" (J2000)

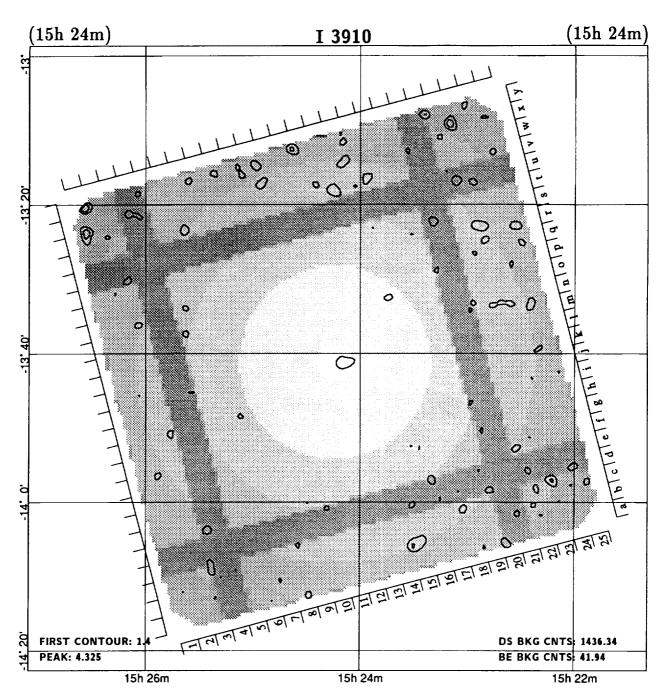
l: 31.91 b: 54.54

DATE: 1980/ 21 - 1980/ 21 LIVETIME: 637.0s

ROLL ANGLE: -115.3°

NH: 4.4E+20 REF/ID:

FIELD FLAGS:



PKS 1524-13, LOW-FREQUENCY VARIABLE RADIO SOURCE

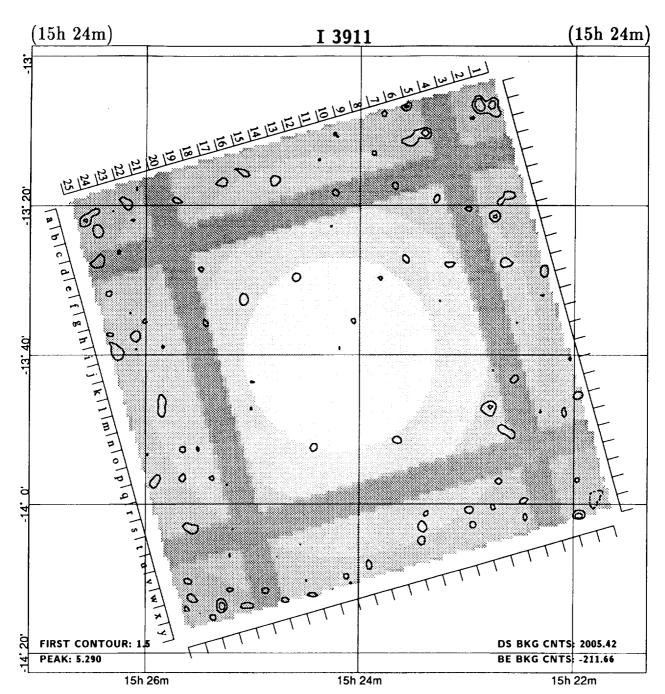
FIELD CENTER: 15^h24^m12.2^s -13°40'40" (B1950) 15^h26^m58.7^s -13°51'06" (J2000)

ℓ: 350.47 *b*: 34.30

DATE: 1980/ 42 - 1980/ 42 LIVETIME: 1163.96

ROLL ANGLE: -104.6°

NH: 9.8E+20 REF/ID: FIELD FLAGS: C



PKS 1524-13, LOW-FREQUENCY VARIABLE RADIO SOURCE

FIELD CENTER: 15^h24^m12.2^s -13°40'40" (B1950) 15^h26^m50.7^s -13°51'06" (J2000)

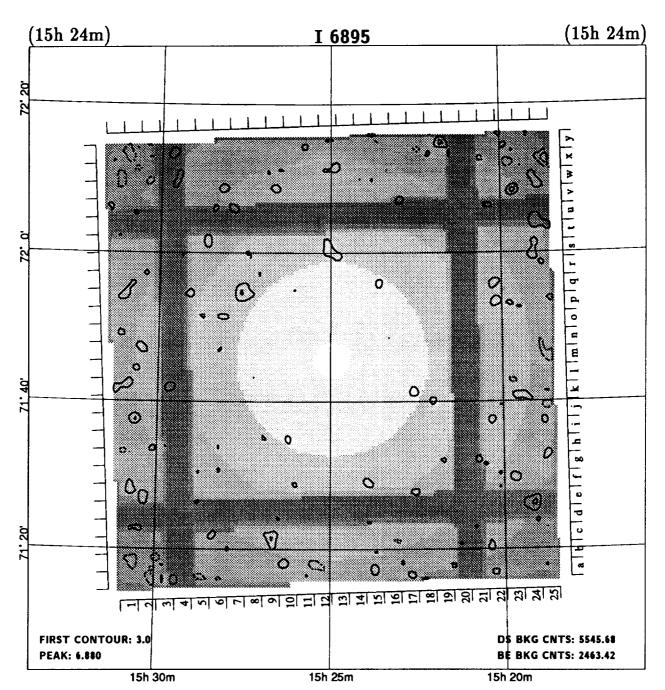
ℓ: 350.47 b: 34.30

DATE: 1980/213 - 1980/213 LIVETIME: 1625.0s

ROLL ANGLE: 74.2°

REF/ID: FIELD FLAGS: C

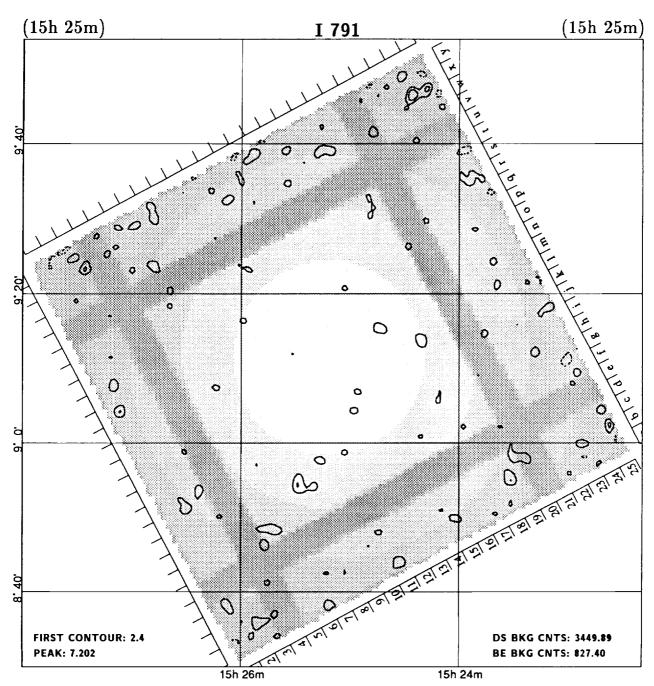
NH: 9.8E+20



A2087,CLUSTER LUMINOSITIES @ Z=0.25.

FIELD CENTER: $15^{h}24^{m}48.0^{s}$ $71^{o}45'59''$ (B1950) $15^{h}24^{m}44.5^{s}$ $71^{o}35'31''$ (J2000) ℓ : 107.94 b: 40.78

DATE: 1981/ 41 - 1981/ 41 LIVETIME: 4493.8s ROLL ANGLE: -91.7° NH: 2.2E+20 REF/ID: CLG FIELD FLAGS:



N. POLAR SPUR: SOFT X-RAY BACKGROUND

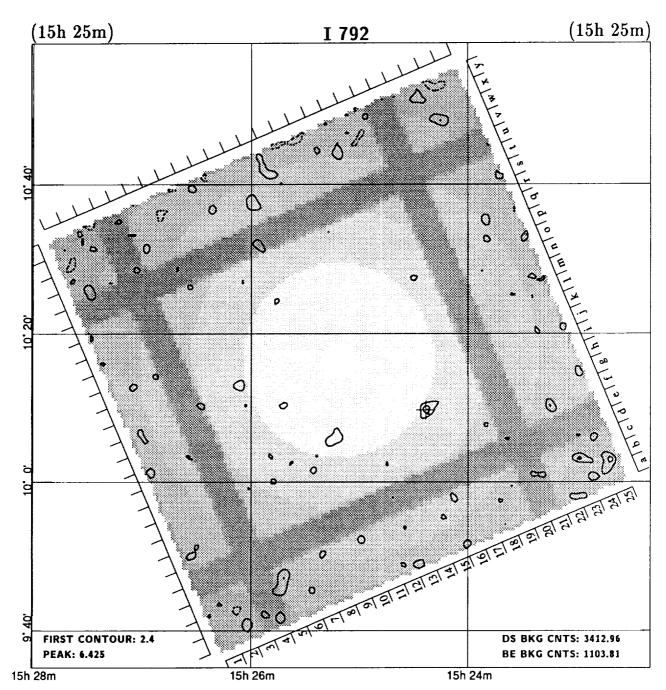
FIELD CENTER: 15^h25^m10.0^s 09°11′59" (B1950) 15^h27^m35.3^s 09°01′37" (J2000)

ℓ: 14.26 b: 48.96

DATE: 1979/ 22 - 1979/ 22 LIVETIME: 2795.56

ROLL ANGLE: -118.1°

NH: 3.2E+20 REF/ID: FIELD FLAGS:



N. POLAR SPUR: SOFT X-RAY BACKGROUND

FIELD CENTER: 15h25m10.0s 10°16'59" (B1950) 15^h27^m34.3^s 10°06′37" (J2000)

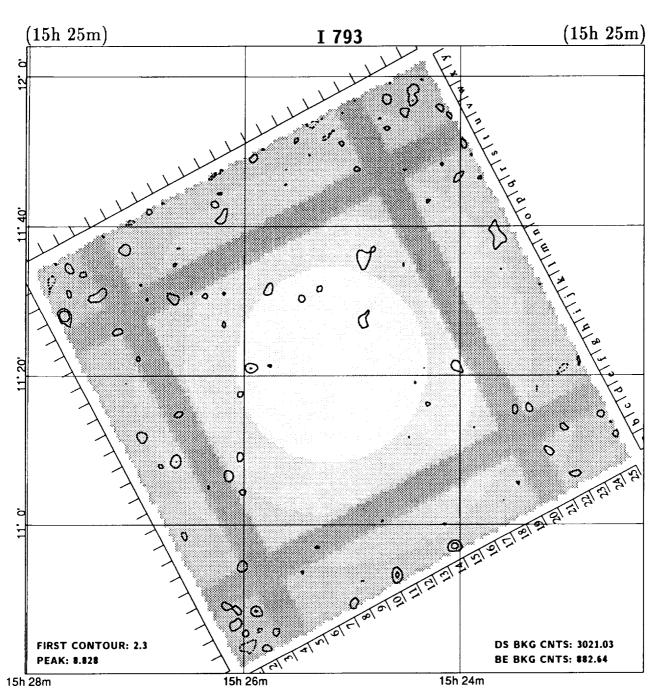
ℓ: 15.69 b: 49.52

DATE: 1979/ 22 - 1979/ 22 LIVETIME: 2765.7s

ROLL ANGLE: -112.9°

NH: 3.0E+20 REF/ID: FIELD FLAGS:

ſ	CAT	FLD	RA	DEC	±	COUNT	±	NET	BKG	S/N	SIZE	RECO	R'	SRC	ID
-	#	#	(1950)	(1950)	"	RATE		CTS	CTS		COR			FLG	
ſ	3435	1	15 24 23.2	10 09 45	47	0.0112	0.0032	19.0	10.0	3.5	0.7	0	13.5	Н	Q



N. POLAR SPUR: SOFT X-RAY BACKGROUND

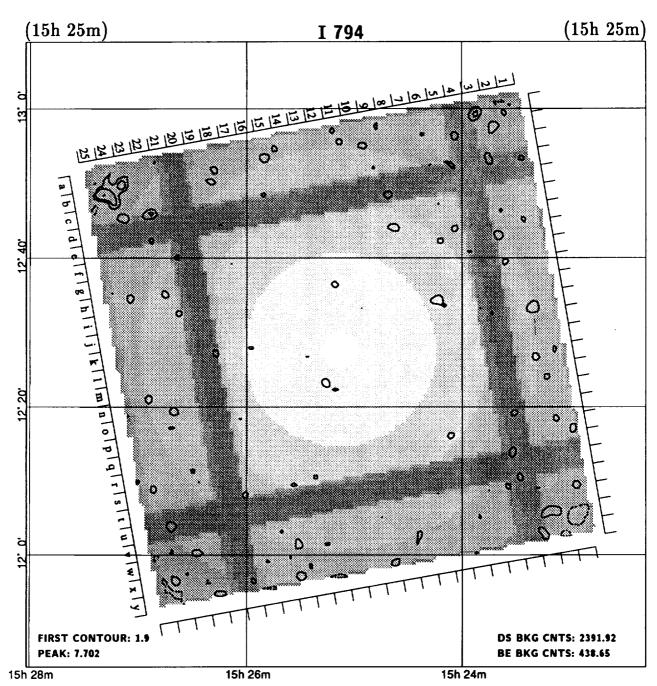
FIELD CENTER: 15^h25^m10.0^s 11°21′59" (B1950) 15^h27^m33.3^s 11°11′37" (J2000)

ℓ: 17.14 *b*: 50.06

DATE: 1979/ 22 - 1979/ 22 LIVETIME: 2448.1s

ROLL ANGLE: -118.0°

NH: 3.1E+20 REF/ID: FIELD FLAGS:



N. POLAR SPUR: SOFT X-RAY BACKGROUND

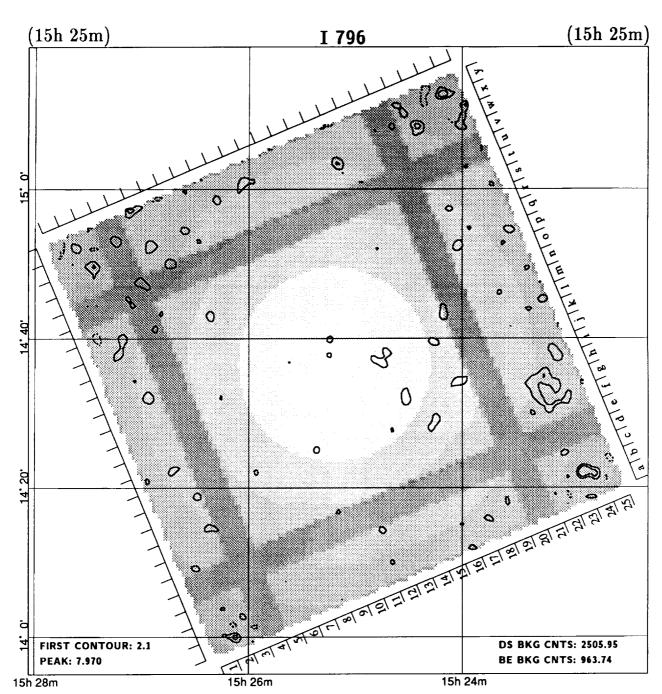
FIELD CENTER: 15^h25^m10.0^s 12°26'59" (B1950) 15^h27^m32.3^s 12°16'37" (J2000)

ℓ: 18.63 b: 50.58

DATE: 1980/220 - 1980/220 LIVETIME: 1938.2e

ROLL ANGLE: 80.0°

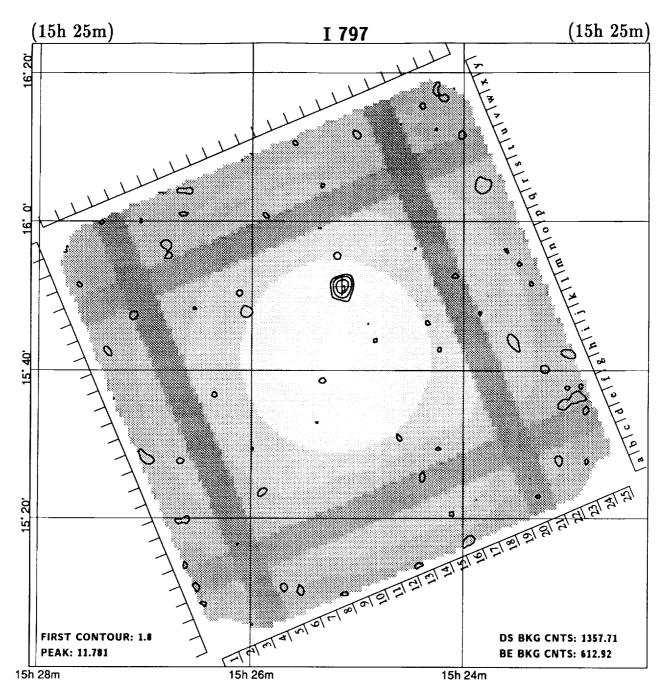
NH: 3.2E+20 REF/ID: FIELD FLAGS:



N. POLAR SPUR: SOFT X-RAY BACKGROUND

FIELD CENTER: $15^h 25^m 10.0^s 14^o 36'59''$ (B1950) $15^h 27^m 30.2^s 14^o 26'37''$ (J2000) ℓ : 21.70 b: 51.57

DATE: 1979/ 24 - 1979/ 24 LIVETIME: 2030.6s ROLL ANGLE: -112.6° NH: 3.1E+20 REF/ID: FIELD FLAGS:

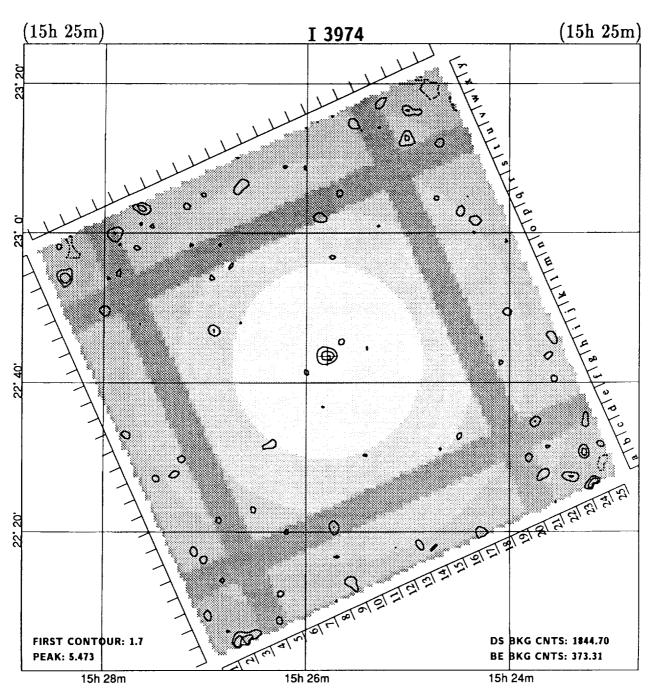


N. POLAR SPUR: SOFT X-RAY BACKGROUND

FIELD CENTER: $15^h 25^m 10.0^s 15^o 41'59''$ (B1950) $15^h 27^m 29.1^s 15^o 31'37''$ (J2000) ℓ : 23.28 b: 52.03

DATE: 1979/ 24 - 1979/ 24 LIVETIME: 1100.2s ROLL ANGLE: -112.9° NH: 2.8E+20 REF/ID: FIELD FLAGS:

CAT	FLD	RA	DEC	±	COUNT	±	NET	BKG	S/N	SIZE	RECO	R'	SRC	ID
#	#	(1950)	(1950)	"	RATE		CTS	CTS		COR			FLG	
3436	1	15 25 09.0	15 51 13	41	0.0590	0.0094	43.7	4.3	6.3	1.0	0	9.5	Н	Q



1525+227, BRIGHT NEARBY QUASAR

FIELD CENTER: 15h25m46.1 22043'22" (B1950) 15h27m58.0 22°33'02" (J2000)

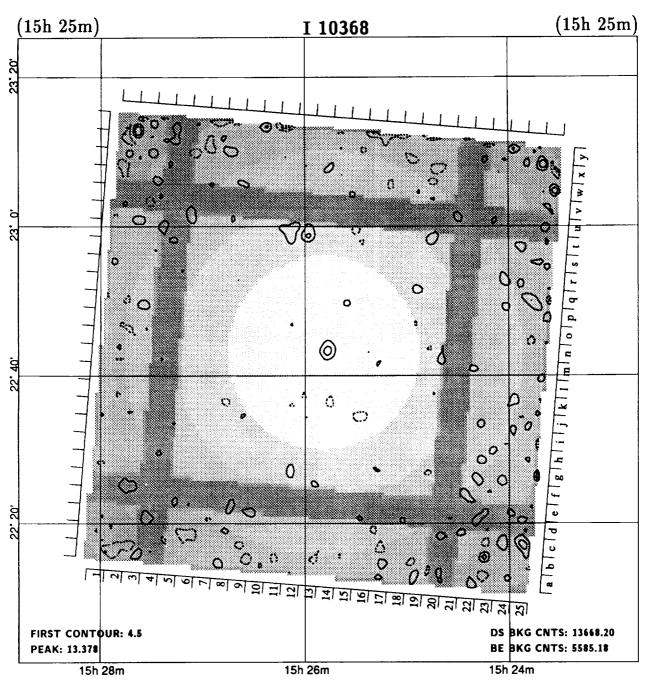
ℓ: 34.37 b: 54.34

DATE: 1980/ 23 - 1980/ 23 LIVETIME: 1548.1s

ROLL ANGLE: -114.3°

NH: 4.3E+20 REF/ID: FIELD FLAGS: C

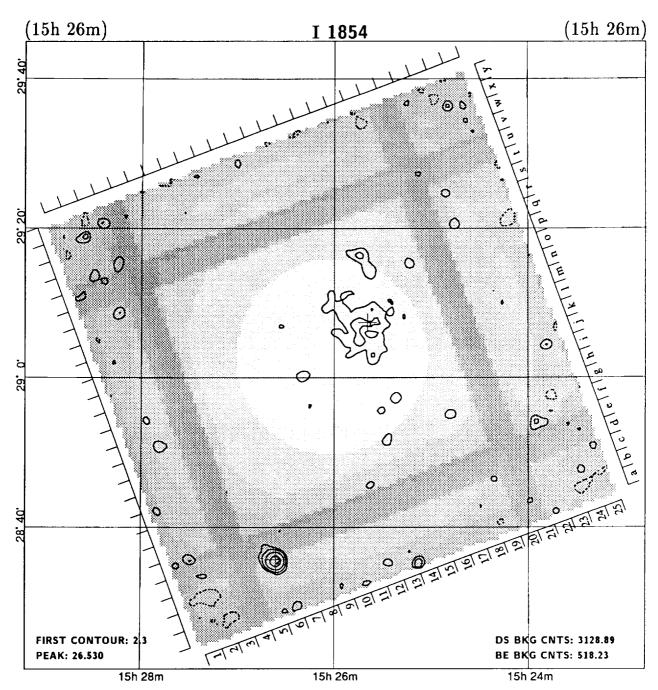
CAT	FLD	RA	DEC	±	COUNT	±	NET	BKG	S/N	SIZE	RECO	R′	SRC	ID
#	#	(1950)	(1950)	"	RATE		CTS	CTS		COR			FLG	
3438	1	15 25 47.5	22 43 31	37	0.0178	0.0044	20.5	5.5	4.0	0.7	0	0.6	Н	ð



QSO 1525+227

FIELD CENTER: $15^{h}25^{m}46.1^{s}$ $22^{o}43'22''$ (B1950) $15^{h}27^{m}58.0^{s}$ $22^{o}33'02''$ (J2000) ℓ : 34.37 b: 54.34

DATE: 1981/ 65 - 1981/ 65 LIVETIME: 11075.7s ROLL ANGLE: -85.4° NH: 4.3E+20 REF/ID: FIELD FLAGS: CL



A2079: X-RAY STUDY OF CLUSTERS OF GALAXIES

FIELD CENTER: 15^h26^m00.0^s 29°02'59" (B1950) 15^h28^m04.7^s 28°52'39" (J2000)

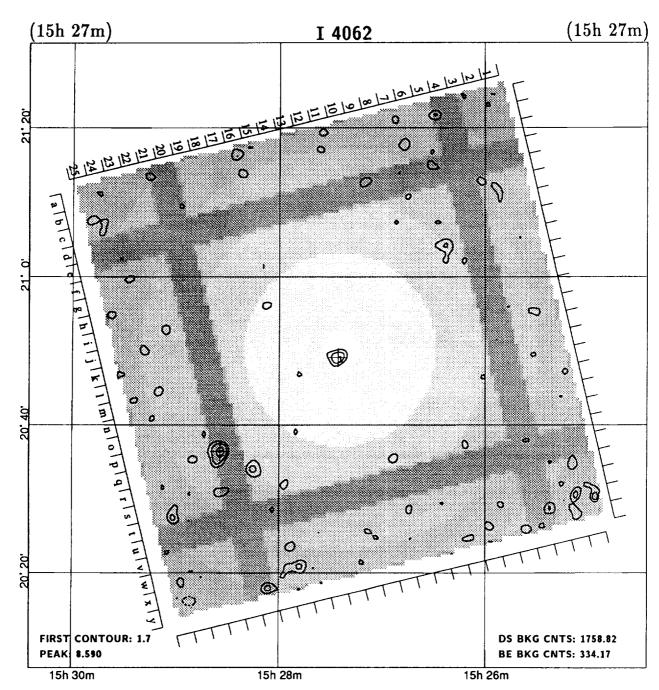
15. 28. 04.7° 28° 52′ 39° (J200 ℓ: 45.20 ℓ: 55.54

DATE: 1979/ 29 - 1979/ 29 LIVETIME: 2535.5s

ROLL ANGLE: -110.3°

NH: 2.5E+20 REF/ID: FIELD FLAGS:

CAT	FLD	RA	DEC	±	COUNT	±	NET	BKG	S/N	SIZE	RECO	R'	SRC	ID
#	#	(1950)	(1950)	"	RATE		CTS	CTS		COR			FLG	
3437	1	15 25 39.4	29 07 24	47	0.0121	0.0031	21.4	8.6	3.9	4.7	0	5.9	Н	
3439	2	15 26 36.2	28 35 36	50	*0.0505	0.0076	48.6	5.4	6.6	1.0	805	28.4	н	AGN



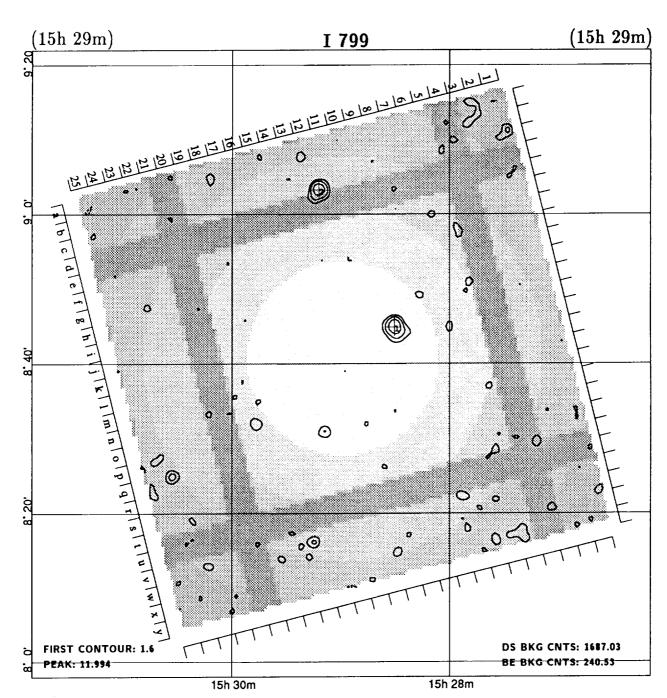
LB 9763, RADIO QUIET QUASAR WITH CONTINUOUS SPECTRUM

FIELD CENTER: 15^h27^m25.5^s 20°49'22" (B1950)

DATE: 1979/225 - 1979/225

LIVETIME: 1425.2s ROLL ANGLE: 76.5° NH: 4.6E+20 REF/ID: FIELD FLAGS:

CAT	FLD	RA	DEC	±	COUNT	±	NET	BKG	S/N	SIZE	RECO	R'	SRC	ID
#	#	(1950)	(1950)	"	RATE		CTS	CTS		COR			FLG	
3441	1	15 27 25.7	20 49 06	37	0.0166	0.0045	17.6	5.4	3.7	0.7	0	0.2	Н	
3444	2	15 28 34.3	20 36 26	53	*0.0283	0.0068	19.6	2.4	4.2	0.9	1009	20.9		



N. POLAR SPUR: SOFT X-RAY BACKGROUND

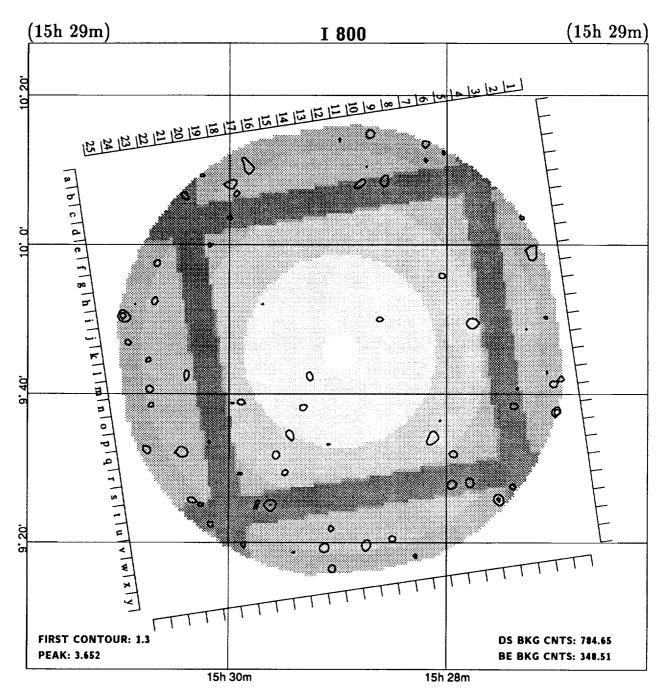
FIELD CENTER: $15^h 29^m 00.0^s 08^\circ 39' 59''$ (B1950) $15^h 31^m 25.7^s 08^\circ 29' 50''$ (J2000) ℓ : 14.33 b: 47.88

DATE: 1979/226 - 1979/226 LIVETIME: 1367.16

ROLL ANGLE: 75.9°

NH: 3.5E+20 REF/ID: FIELD FLAGS:

COUNT NET BKG S/N SIZE RECO SRC ID FLD RA DEC ± \pm CAT RATE CTS CTS COR **FLG** (1950)(1950)# 0.0421 0.0071 4.6 1.0 0 8.8 Н S 15 28 30.3 08 44 57 41 39.4 5.9 3443 1 Н 22.2 2.8 8.0 803 23.5 09 03 15 51 *0.0348 0.0078 4.4 3446 15 29 12.1



N. POLAR SPUR: SOFT X-RAY BACKGROUND

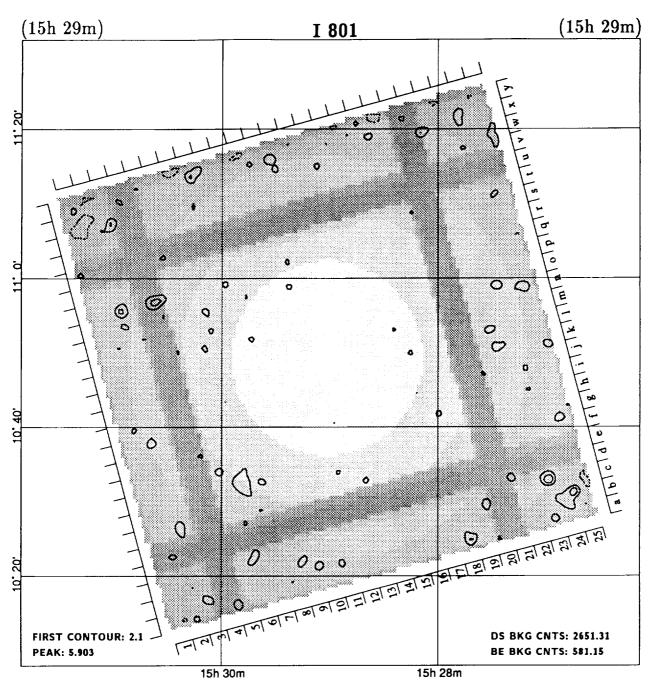
FIELD CENTER: 15h29m00.0 09044'59" (B1950) 15^h31^m24.7^s 09°34′50" (J2000)

l: 15.72 b: 48.44

DATE: 1980/238 - 1980/238 LIVETIME: 635.8s

ROLL ANGLE: \$1.4°

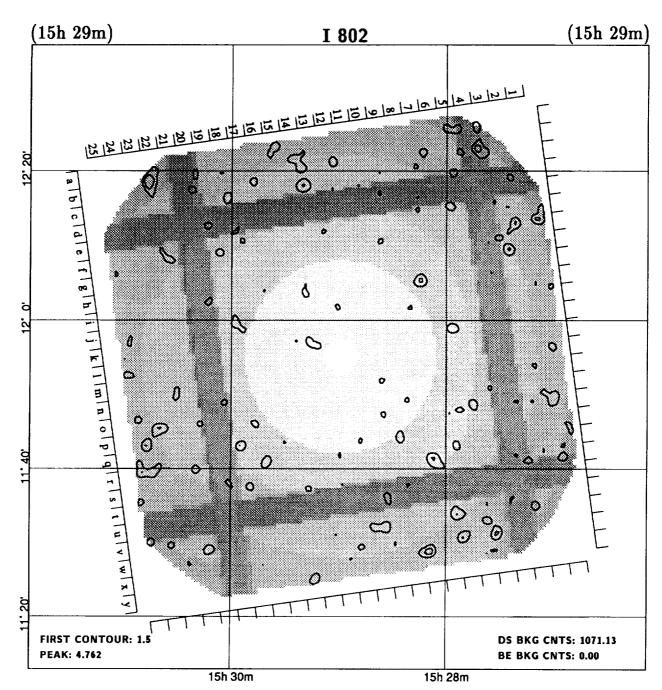
NH: 3.1E+20 REF/ID: FIELD FLAGS:



N. POLAR SPUR: SOFT X-RAY BACKGROUND

FIELD CENTER: $15^h 29^m 00.0^s 10^o 49' 59''$ (B1950) $15^h 31^m 23.7^s 10^o 39' 50''$ (J2000) ℓ : 17.14 b: 48.98

DATE: 1979/ 27 - 1979/ 27 LIVETIME: 2148.4s ROLL ANGLE: -105.0° NH: 3.1E+20 REF/ID: FIELD FLAGS:



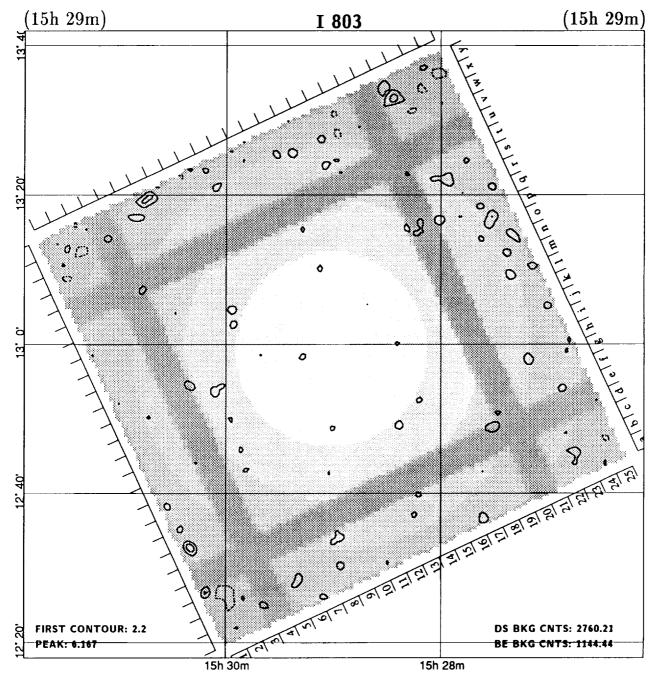
N. POLAR SPUR: SOFT X-RAY BACKGROUND

FIELD CENTER: $15^{h}29^{m}00.0^{s}$ $11^{o}54'59''$ (B1950) $15^{h}31^{m}22.6^{s}$ $11^{o}44'50''$ (J2000) ℓ : 18.59 b: 49.51

DATE: 1980/238 - 1980/238 LIVETIME: 868.0s ROLL ANGLE: 81.9°

REF/ID: FIELD FLAGS: L

NH: 3.2E+20



N. POLAR SPUR: SOFT X-RAY BACKGROUND

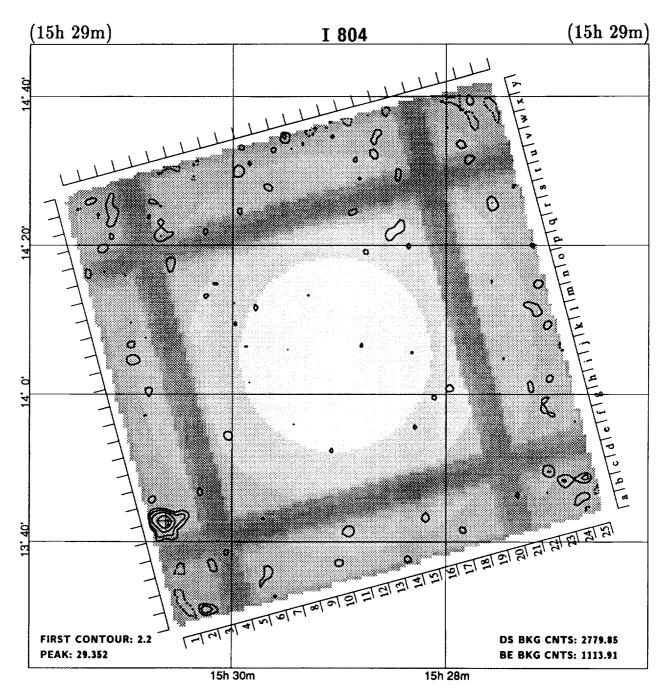
FIELD CENTER: 15^h29^m00.0^s 12°59'59" (B1950) 15^h31^m21.6^s 12°49'50" (J2000)

ℓ: 20.07 b: 50.01

DATE: 1979/ 27 - 1979/ 27 LIVETIME: 2236.7s

ROLL ANGLE: -115.1°

NH: 3.4E+20 REF/ID: FIELD FLAGS: L



N. POLAR SPUR: SOFT X-RAY BACKGROUND

FIELD CENTER: 15^h29^m00.0^s 14⁰04'59" (B1950) 15^h31^m20.5^s 13^o54'50" (J2000)

l: 21.58 b: 50.50

DATE: 1979/ 27 - 1979/ 27

LIVETIME: 2252.6.
ROLL ANGLE: -105.1°

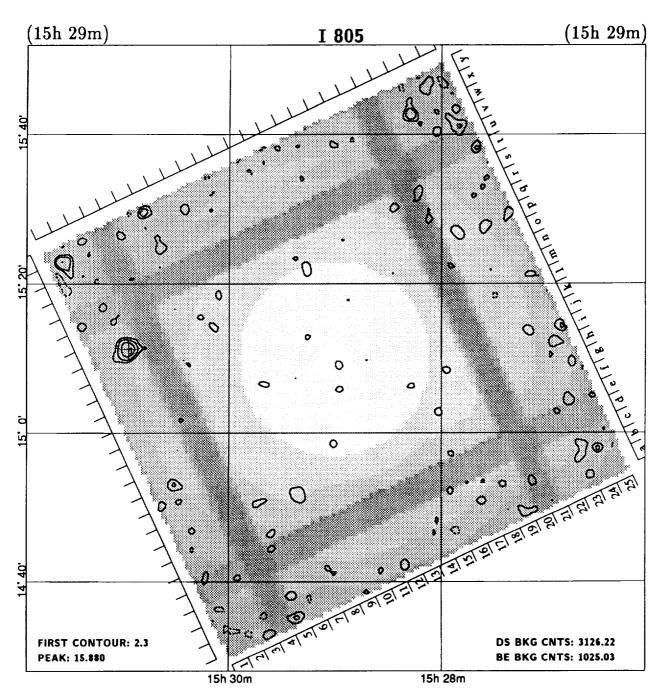
NH: 3.3E+20 REF/ID:

50.50 KOLL ANGLE: -105.1

FIELD FLAGS:

O R' SRC ID

١	CAT	FLD	RA	DEC	± "	COUNT	±	NET	BKG	S/N	SIZE	RECO	R'	SRC	ID
L	#	#	(1950)	(1950)		RATE		CTS	CTS		COR			FLG	
	3452	1	15 30 36.8	13 42 47	50	0.068	0.010	48.0	6.0	6.5	1.2	100	32.3	Н	



N. POLAR SPUR: SOFT X-RAY BACKGROUND

FIELD CENTER: 15^h29^m00.0^s 15°09'59" (B1950) 15^h31^m19.4^s 14°59'50" (J2000)

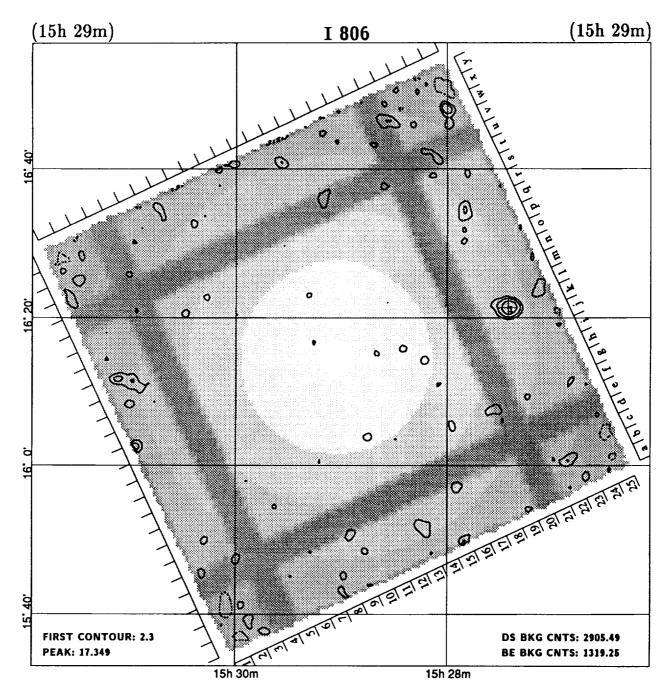
ℓ: 23.13 b: 50.97

DATE: 1979/ 27 - 1979/ 28 LIVETIME: 2533.3s

ROLL ANGLE: -115.0°

NH: 3.3E+20 REF/ID: FIELD FLAGS: L

[CAT	FLD	RA	DEC	±	COUNT	±	NET	BKG	S/N	SIZE	RECO	R'	SRC	ID
	#	#	(1950)	(1950)	"	RATE		стѕ	CTS		COR			FLG	
	3454	1L	15 30 56.6	15 11 14	51	*0.0365	0.0082	35.3	6.4	4.3	0.9	401	28.1	Α	AGN



N. POLAR SPUR: SOFT X-RAY BACKGROUND

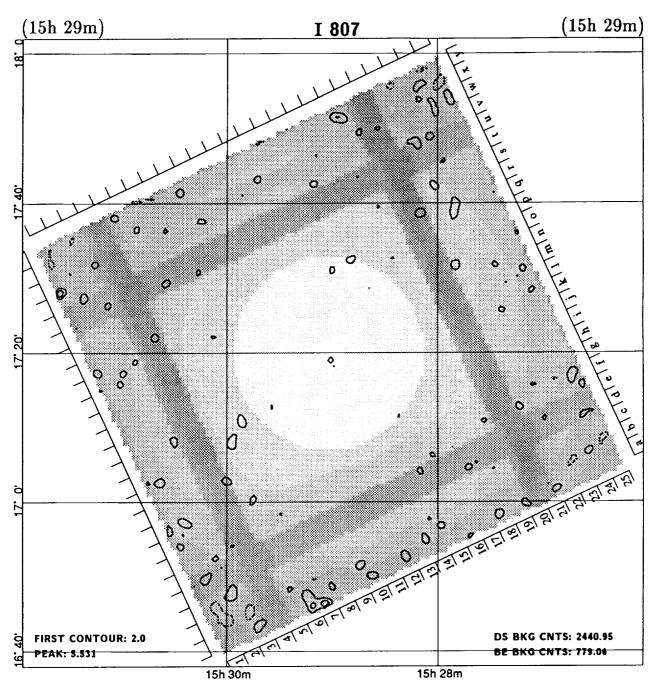
FIELD CENTER: $15^{h}29^{m}00.0^{s}$ $16^{o}14'59''$ (B1950) $15^{h}31^{m}18.4^{s}$ $16^{o}04'50''$ (J2000) ℓ : 24.70 ℓ : 51.42

DATE: 1979/ 28 - 1979/ 28 LIVETIME: 2354.4s

ROLL ANGLE: -115.1°

NH: 3.0E+20 REF/ID: FIELD FLAGS: L

CAT FLD RA DEC COUNT **±** NET BKG S/N SIZE RECO SRC ID (1950) (1950) RATE CTS COR CTS FLG 3440 15 27 25.6 16 21 22 0.0340 0.0074 1L 50 35.4 4.5 23.5 8.6 1.0



N. POLAR SPUR: SOFT X-RAY BACKGROUND

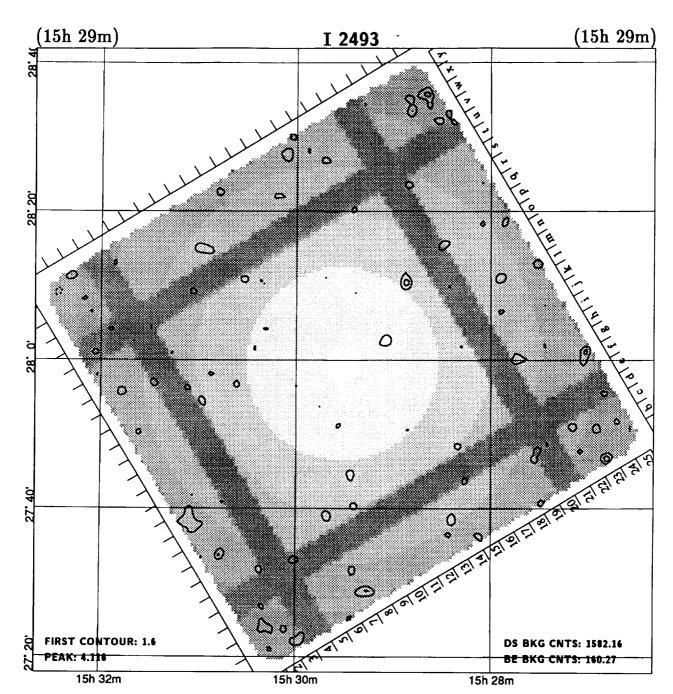
FIELD CENTER: 15^h29^m00.0^s 17°19′59" (B1950) 15^h31^m17.3^s 17°09′50" (J2000)

 $15^h 31^m 17.3^s 17^\circ 09' 50'' (J2000 \ell: 26.31 b: 51.84$

DATE: 1979/ 28 - 1979/ 28 LIVETIME: 1978.0s

ROLL ANGLE: -115.1°

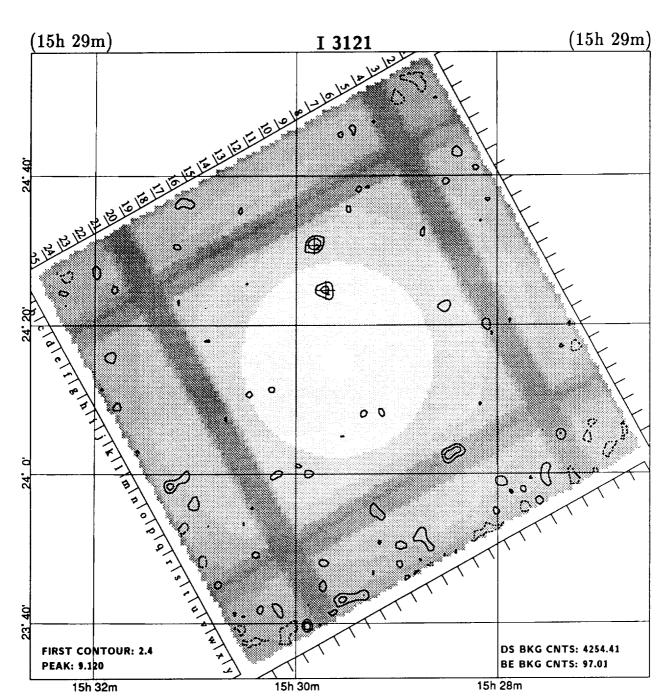
NH: 3.5E+20 REF/ID: FIELD FLAGS:



1529+28H: SURVEY OF NEARBY RADIO PULSARS

FIELD CENTER: $15^h 29^m 30.0^s$ $27^o 59' 59''$ (B1950) $15^h 31^m 35.6^s$ $27^o 49' 51''$ (J2000) ℓ : 43.56 b: 54.63

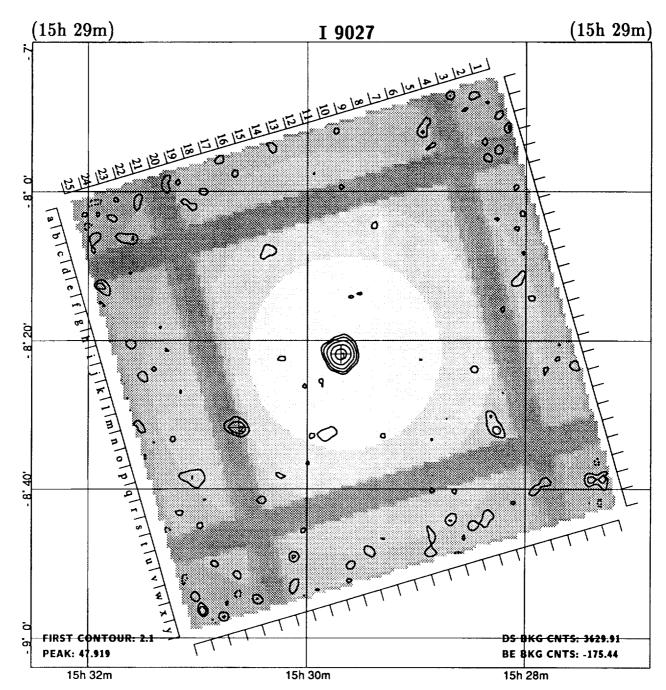
9" (B1950) DATE: 1979/ 30 - 1979/ 30 1" (J2000) LIVETIME: 1282.1s ROLL ANGLE: -121.1° NH: 2.8E+20 REF/ID: FIELD FLAGS:



3C 321: OPTICAL OBJECTS IN THE LOBES OF RADIO GALAXIES

FIELD CENTER: $15^h 29^m 34.0^s 24^o 14'29''$ (B1950) $15^h 31^m 43.9^s 24^o 04'22''$ (J2000) ℓ : 37.26 b: 53.88 DATE: 1979/201 - 1979/201 LIVETIME: 3447.5s ROLL ANGLE: 61.1° NH: 4.1E+20 REF/ID: FIELD FLAGS:

CAT	FLD	RA	DEC	±	COUNT	±	NET	BKG	S/N	SIZE	RECO	R'	SRC	ID
#	#	(1950)	(1950)	"	RATE		CTS	CTS		COR			FLG	
3448	1	15 29 42.3	24 24 40	45	0.0089	0.0024	20.6	9.4	3.8	0.7	0	10.4	Н	
3449	2	15 29 49.2	24 30 38	51	0.0111	0.0028	22.2	9.8	3.9	0.7	0	16.7		



THE FK COMAE STARS: UZ Lib

FIELD CENTER: 15^h29^m41.0^s -08°21'57" (B1950) 15^h32^m22.6^s -08°32′04″ (J2000)

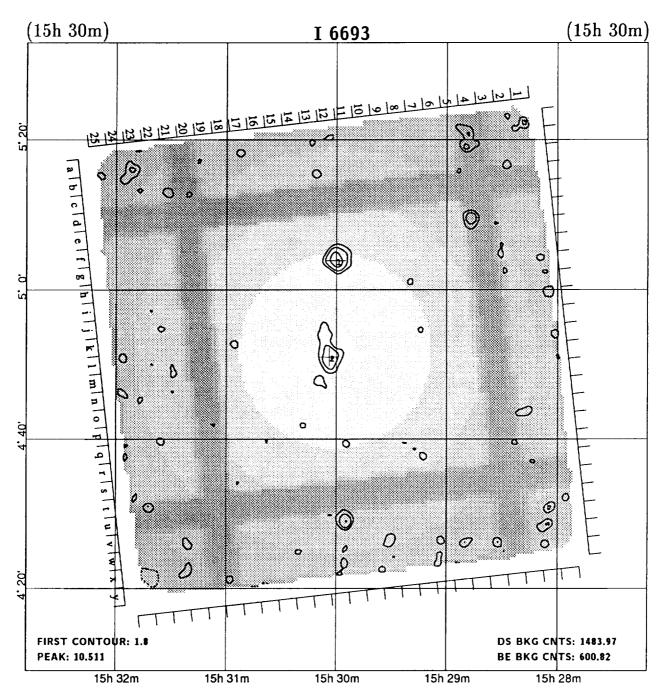
ℓ: 356.22 *b*: 37.17

DATE: 1980/217 - 1980/217 LIVETIME: 2941.4s

ROLL ANGLE: 73.8°

NH: 8.7E+20 REF/ID: S FIELD FLAGS:

CAT	FLD	RA	DEC	±	COUNT	±	NET	BKG	S/N	SIZE	RECO	R'	SRC	ID
#	#	(1950)	(1950)	"	RATE		CTS	CTS		COR			FLG	
3447	1	15 29 41.4	-08 21 48	31	0.0892	0.0065	195.6	8.4	13.7	1.2	0	0.2	Н	
3453	2	15 30 37.6	-08 31 46	54	*0.0136	0.0032	22.0	5.0	4.2	0.8	1008	17.1		SY



MKW 9: CD GALAXIES IN POOR CLUSTERS

FIELD CENTER: 15^h 30^m 00.0^s 04°50′59″ (B1950)

15^h32^m29.3^s 04°40′54″ (J2000)

ℓ: 9.88 b: 45.57

DATE: 1980/239 - 1980/239

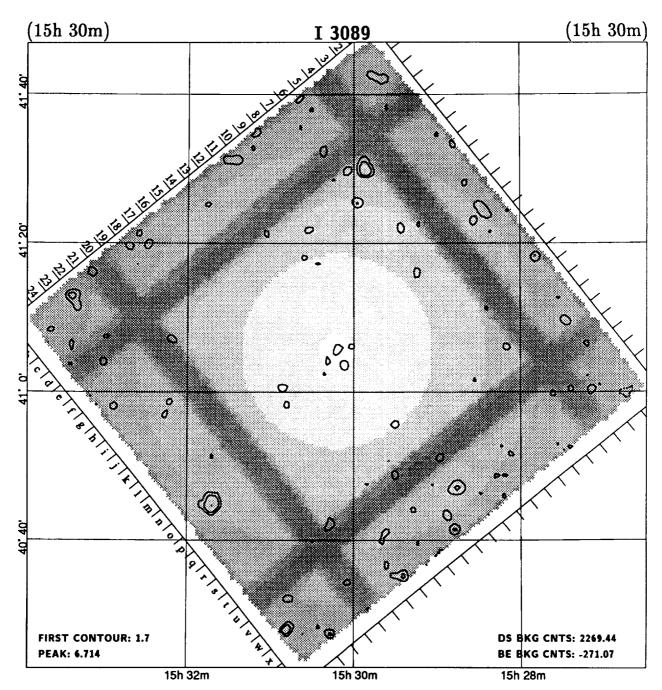
LIVETIME: 1202.5s

ROLL ANGLE: 83.8°

NH: 4.1E+20 REF/ID:

FIELD FLAGS:

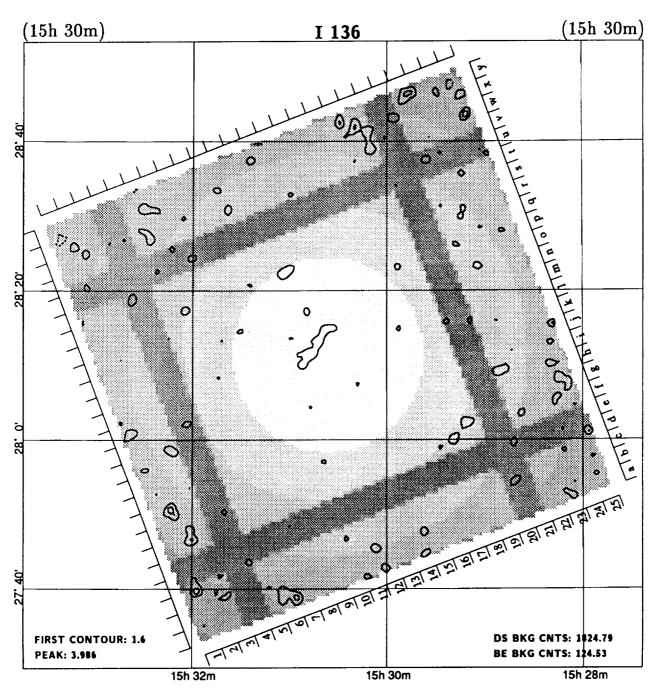
CAT	FLD	RA	DEC	±	COUNT	±	NET	BKG	S/N	SIZE	RECO	R'	SRC	ID
#	#	(1950)	(1950)	"	RATE		CTS	CTS		COR			FLG	
3450	1	15 30 00.1	05 03 55	41	0.0504	0.0085	38.7	4.3	5.9	1.1	0	12.7	Н	AGN
3451	2	15 30 03.8	04 51 01	36	0.0327	0.0066	29.2	5.8	4.9	1.4	0	1.3	Н	CLG



RADIO SOURCES WITH STEEP SPECTRA: 1530+41

FIELD CENTER: $15^h30^m12.0^s$ $41^\circ04'59''$ (B1950) $15^h31^m59.5^s$ $40^\circ54'53''$ (J2000) ℓ : **66.19** b: 54.37

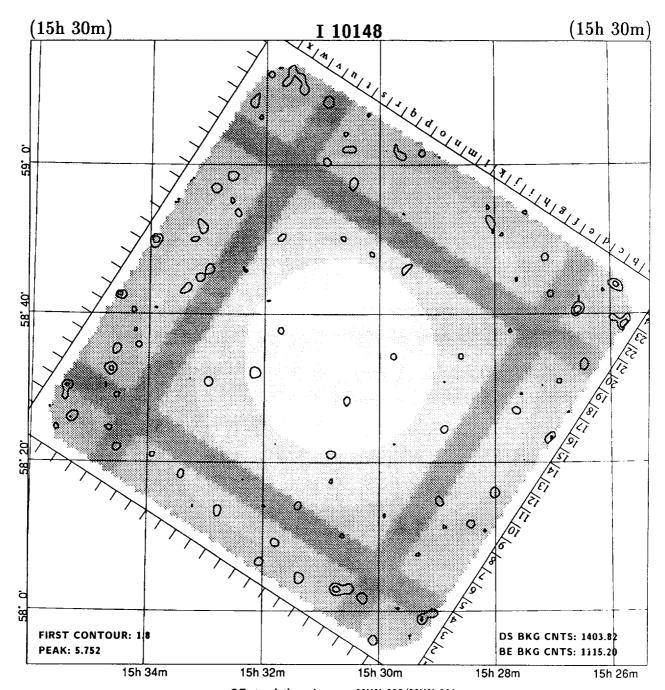
DATE: 1979/191 - 1979/191 LIVETIME: 1839.0s ROLL ANGLE: 51.2° NH: 2.1E+20 REF/ID: ! FIELD FLAGS:



A2089 CLUSTER SURFACE BRIGHTNESS

FIELD CENTER: $15^h30^m33.6^s$ $28^o11'23''$ (B1950) $15^h32^m38.9^s$ $28^o01'19''$ (J2000) ℓ : 43.95 ℓ : 54.43

DATE: 1979/ 30 - 1979/ 30 LIVETIME: 1478.76 ROLL ANGLE: -110.7° NH: 2.8E+20 REF/ID: FIELD FLAGS:

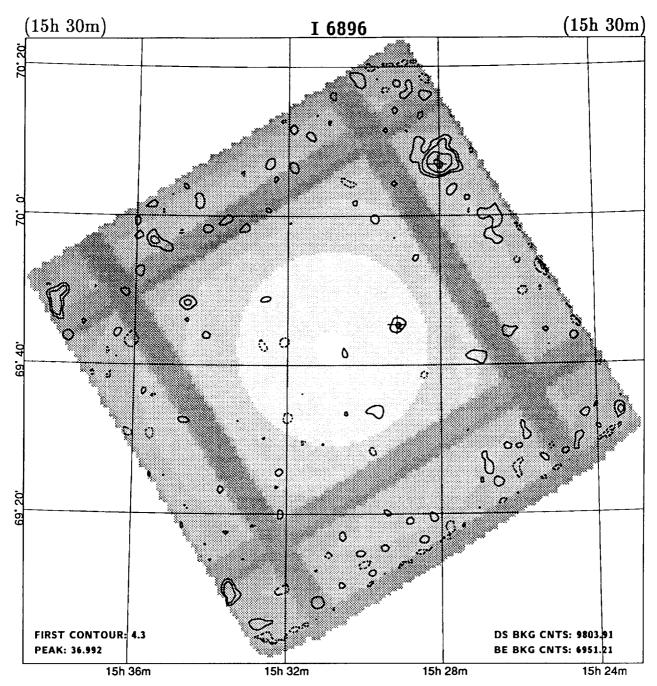


Offset pointing - between MKN 290/MKN 289

DATE: 1980/355 - 1980/355

FIELD CENTER: 15^h30^m42.0^s 58°34'47" (B1950) 15^h31^m48.9^s 58°24'42" (J2000)

15^h31^m48.9^s 58°24'42" (J2000) LIVETIME: 1137.6s ℓ : 92.55 b: 48.16 ROLL ANGLE: -147.2° NH: 1.8E+20 REF/ID: FIELD FLAGS:



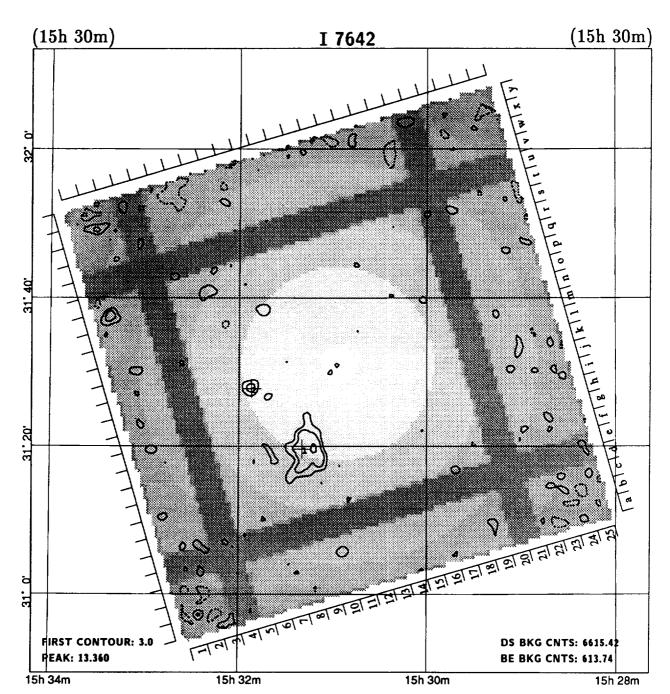
A2098,CLUSTER LUMINOSITIES @ Z=0.25.

FIELD CENTER: 15^h30^m48.0^s 69°41′59" (B1950) 15^h30^m58.7^s 69°31′52" (J2000)

DATE: 1980/103 - 1980/103 LIVETIME: 8229.7s NH: 2.7E+20 REF/ID: CLG

15ⁿ30^m58.7^s 69°31′52″ (J2000) LIVETIME: 8229.7^s REF/ID: CLG ℓ: 105.44 b: 41.76 FIELD FLAGS:

1	CAT	FLD	RA	DEC	±	COUNT	±	NET	BKG	S/N	SIZE	RECO	R'	SRC	ID
	#	#	(1950)	(1950)	"	RATE		CTS	CTS		COR			FLG	
	3442	1	15 28 02.9	70 06 53	50	0.0298	0.0035	92.1	26.9	8.4	1.7	0	29.1	н	
	3445	2	15 29 08.0	69 45 26	42	0.0058	0.0016	32.1	43.9	3.7	0.6	0	9.1	<u> </u>	

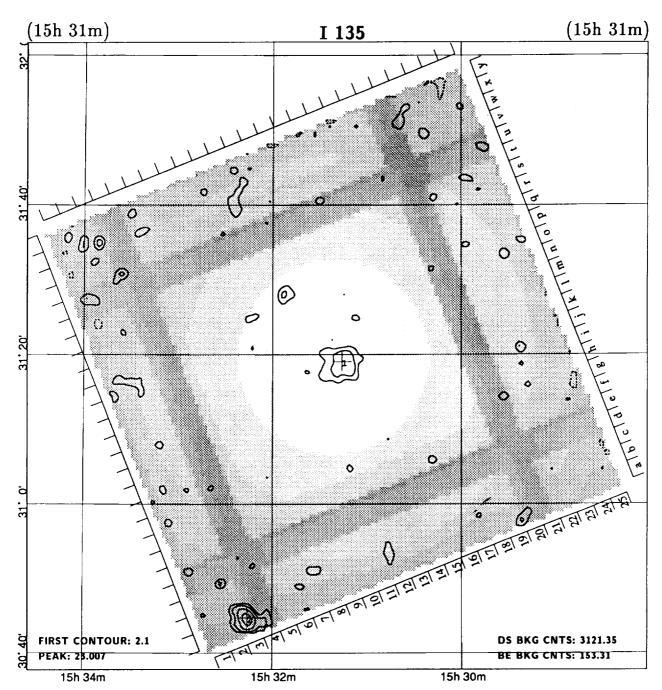


THETA COR BOR, VARIABILITY OF BE & B SUPERGIANTS

FIELD CENTER: $15^h 30^m 54.7^s$ $31^o 31' 36''$ (B1950) $15^h 32^m 55.8^s$ $31^o 21' 33''$ (J2000) ℓ : 49.69 b: 54.71

DATE: 1980/ 36 - 1980/ 36 LIVETIME: 5360.76 ROLL ANGLE: -106.3° NH: 2.2E+20 REF/ID: FIELD FLAGS:

CAT	FLD	RA	DEC	±	COUNT	±	NET	BKG	S/N	SIZE	RECO	R'	SRC	ID
#	#	(1950)	(1950)	"	RATE		стѕ	CTS		COR			FLG	
3456	1	15 31 19.5	31 19 35	42	0.0120	0.0022	40.7	16.3	5.4	3.1	0	13.8	AH	
3457	2	15 31 52.1	31 27 49	43	0.0077	0.0019	26.2	15.8	4.0	0.6	0	12.7		

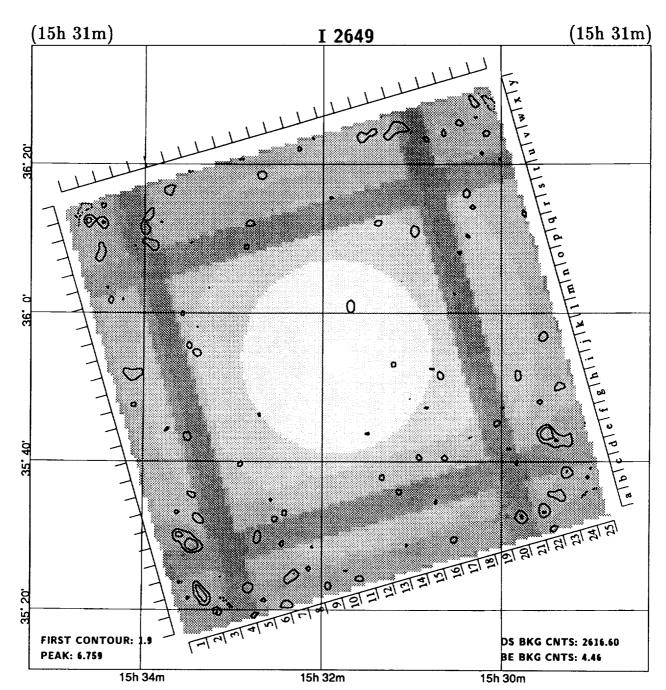


A2092 CLUSTER SURFACE BRIGHTNESS

FIELD CENTER: $15^h 31^m 19.2^s 31^o 19'47''$ (B1950) $15^h 33^m 20.5^s 31^o 09'45''$ (J2000) ℓ : 49.36 θ : 54.61

DATE: 1979/ 28 - 1979/ 28 LIVETIME: 2529.3s ROLL ANGLE: -111.6° NH: 2.3E+20 REF/ID: FIELD FLAGS:

CAT	FLD	RA	DEC	±	COUNT	±	NET	BKG	S/N	SIZE	RECO	R'	SRC	ID
#	#	(1950)	(1950)	"	RATE		стѕ	CTS		COR			FLG	
3456	1	15 31 15.6	31 19 04	36	0.0212	0.0037	39.9	9.1	5.7	2.3	0	0.9	AH	
3458	2	15 32 15.7	30 44 43	51	*0.0449	0.0098	24.7	4.3	4.6	1.2	804	37.1	н	



SEYFERT GALAXY SURVEY: 4C 35.37

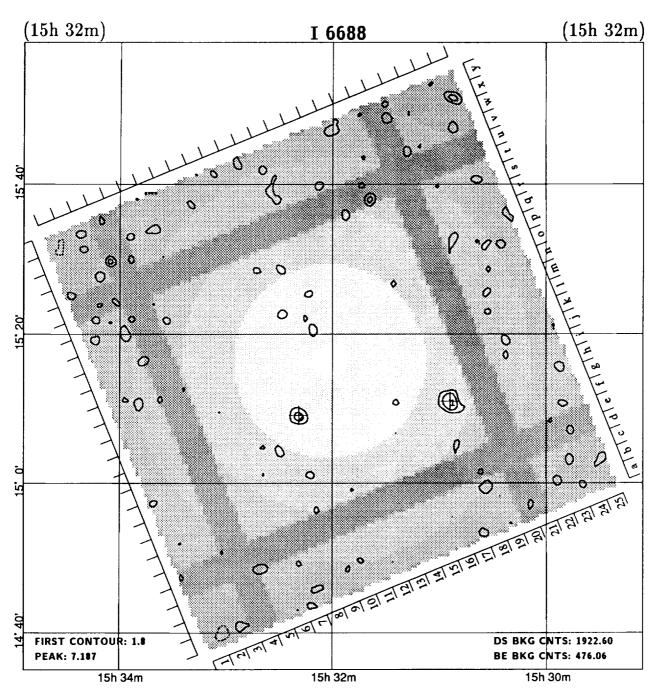
FIELD CENTER: 15^h31^m48.0^s 35°53'59" (B1950) 15^h 33^m 43.1^s 35°43′59" (J2000)

ℓ: 57.25 b: 54.59

DATE: 1979/ 28 - 1979/ 28 LIVETIME: 2120.3s

REF/ID: ROLL ANGLE: -106.1° FIELD FLAGS:

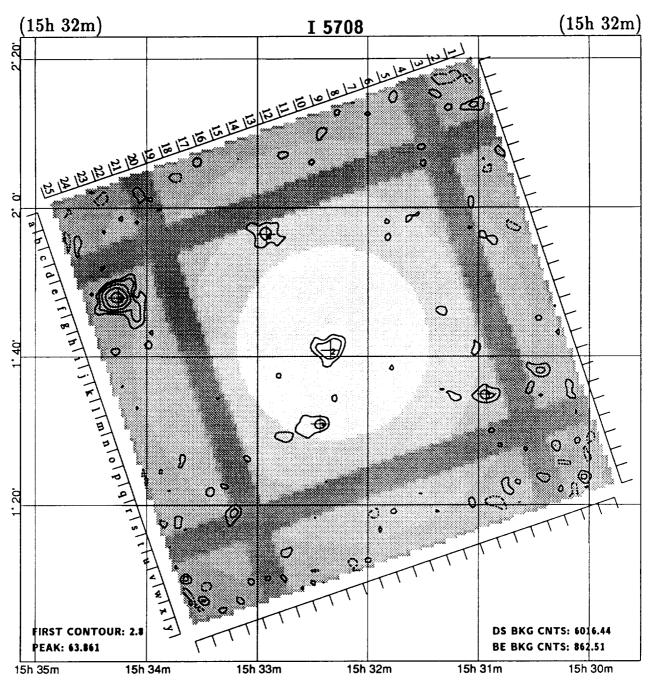
NH: 1.6E+20



GROUPS OF GALAXIES: TG 98

FIELD CENTER: $15^h 32^m 00.0^s$ $15^o 16'59''$ (B1950) $15^h 34^m 19.2^s$ $15^o 07'00''$ (J2000) ℓ : 23.77 b: 50.36 DATE: 1980/ 21 - 1980/ 21 LIVETIME: 1558.0s ROLL ANGLE: -112.1° NH: 3.3E+20 REF/ID: FIELD FLAGS:

CAT	FLD	RA	DEC	±	COUNT	±	NET	BKG	S/N	SIZE	RECO	R'	SRC	ID
#	#	(1950)	(1950)	"	RATE		CTS	CTS		COR			FLG	
3454	1	15 30 53.7	15 10 59	53	0.0258	0.0060	22.3	4.7	4.3	0.9	0	16.7	AH	AGN
3459	2	15 32 19.0	15 09 07	46	0.0161	0.0045	17.1	5.9	3.6	0.6	0	9.3		



BL LAC OBJECT

FIELD CENTER: $15^h 32^m 20.0^s 01^o 41'01''$ (B1950) $15^h 34^m 52.2^s 01^o 31'04''$ (J2000) ℓ : 6.77 b: 43.23

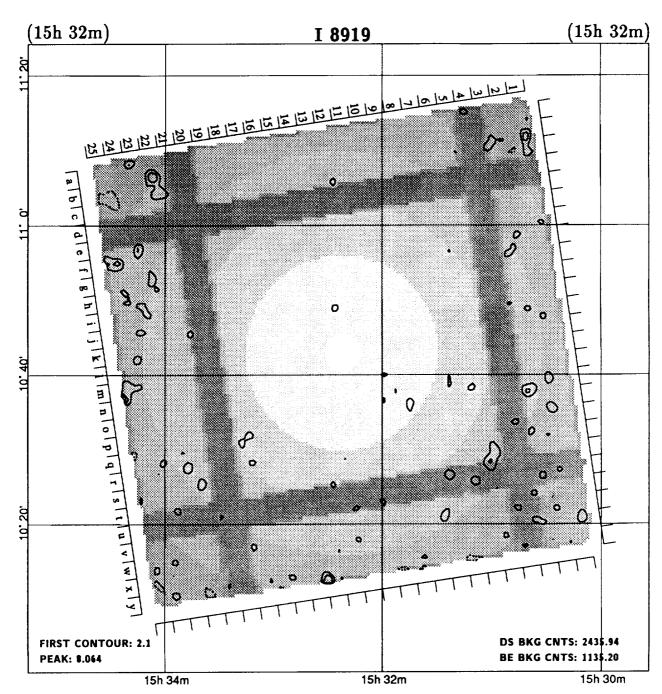
DATE: 1980/214 - 1980/214 LIVETIME: 4875.3s

ROLL ANGLE: 71.2°

REF/ID: FIELD FLAGS:

NH: 4.6E+20

CAT FLD RA DEC \pm COUNT NET BKG S/N SIZE **RECO** SRC ID (1950)RATE CTS **CTS** COR FLG (1950)3455 15 30 55.6 01 34 56 8800.0 0.0024 20.6 10.4 3.7 8.0 300 22.0 3460 15 32 20.4 01 40 49 0.0137 0.0023 49.7 17.3 6.1 1.3 0 0.2 0.0074 0.0020 23.5 15.5 1.3 10.3 Н 3461 15 32 26.1 01 30 55 43 3.8 0 0.0080 0.0021 400 21.7 11.3 3.8 1.3 17.8 н 3463 15 32 55.3 01 56 26 55 0.0701 0.0067 120.9 29.8 3471 15 34 15.4 01 47 55 48 12.1 10.5 1.4 Н



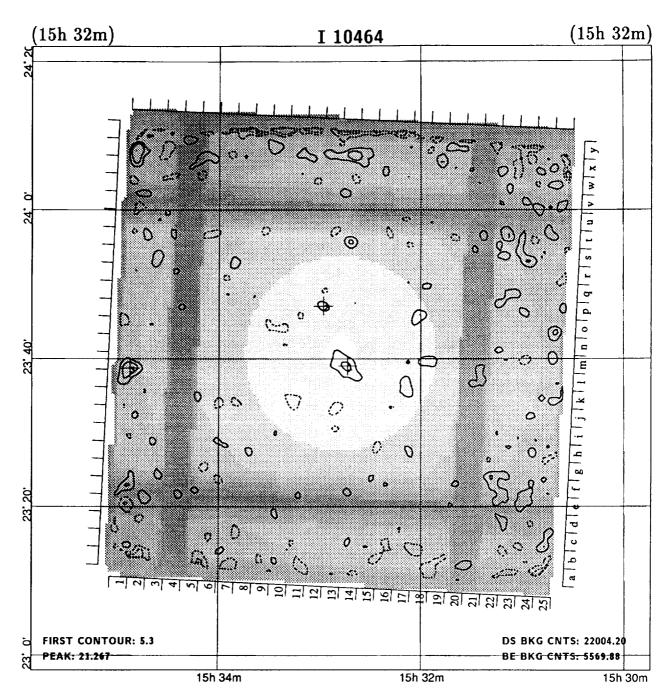
DELTA SER, EMISSION FROM DELTA SCUTI STARS

FIELD CENTER: 15^h32^m24.6^s 10°42'14" (B1950) 15^h34^m48.3^s 10°32'17" (J2000)

15"34" 48.3" 10"32"17" (J2 L: 17.59 b: 48.19 DATE: 1980/238 - 1980/238 LIVETIME: 1973.9s

ROLL ANGLE: 81.6°

NH: 3.2E+20 REF/ID: FIELD FLAGS: L



14553, SPIRAL GALAXIES W/ RADIO SOURCES

FIELD CENTER: 15h32m47.0s 23°40'05" (B1950) 15^h 34^m 57.3^s 23°30′09″ (J2000)

ℓ: 36.63 b: 53.03

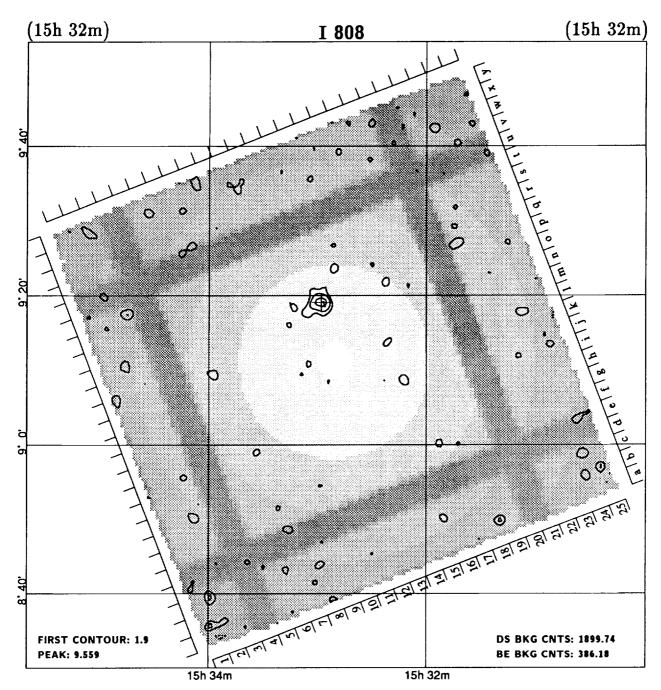
DATE: 1981/63 - 1981/63 LIVETIME: 17830.6s

ROLL ANGLE: -87.3°

NH: 4.2E+20 REF/ID:

FIELD FLAGS:

CAT	FLD	RA	DEC	±	COUNT	±	NET	BKG	S/N	SIZE	RECO	R'	SRC	ID
#	#	(1950)	(1950)	"	RATE		CTS	CTS		COR			FLG	
3462	1	15 32 43.5	23 39 02	35	0.00403	0.00088	53.2	80.8	4.6	1.2	0	1.1	Н	G
3465	2L	15 32 58.0	23 47 06	42	0.00364	0.00096	45.5	49.5	3.7	0.6	0	7.2		
3475	3	15 34 52.5	23 38 45	56	0.0048	0.0013	31.8	40.2	3.7	1.0	500	28.7		



N. POLAR SPUR: SOFT X-RAY BACKGROUND

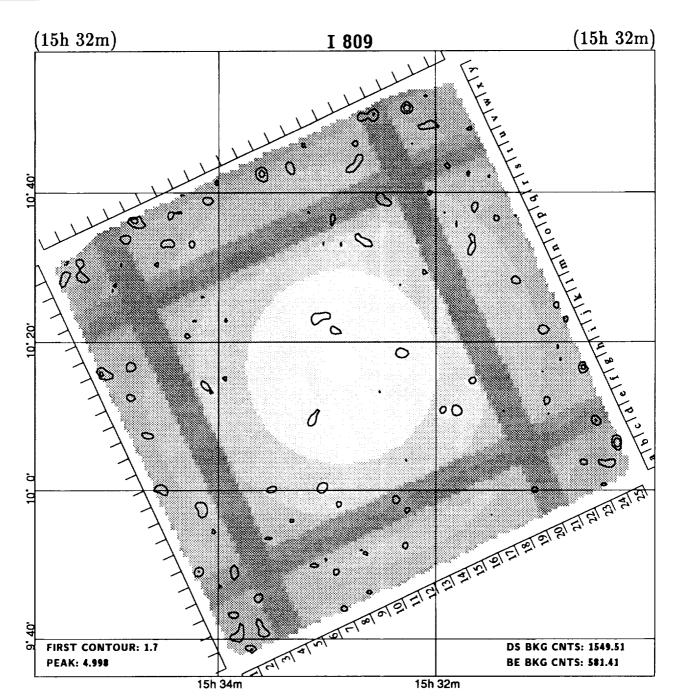
FIELD CENTER: $15^h 32^m 50.0^s 09^\circ 11'59''$ (B1950) $15^h 35^m 15.1^s 09^\circ 02'04''$ (J2000) ℓ : 15.73 b: 47.34

DATE: 1979/ 27 - 1979/ 27 LIVETIME: 1539.4s

ROLL ANGLE: -111.1°

NH: 3.5E+20 REF/ID: FIELD FLAGS:

CAT FLD RA DEC ± COUNT \pm NET BKG S/N SIZE RECO SRC ID (1950) (1950)RATE CTS CTS COR FLG 3464 15 32 57.9 09 19 03 41 0.0335 0.0061 35.3 5.7 5.5 1.1 0 7.8 Н S



N. POLAR SPUR: SOFT X-RAY BACKGROUND

FIELD CENTER: 15^h32^m50.0^s 10°16'59" (B1950) 15^h35^m14.1^s 10°07'03" (J2000)

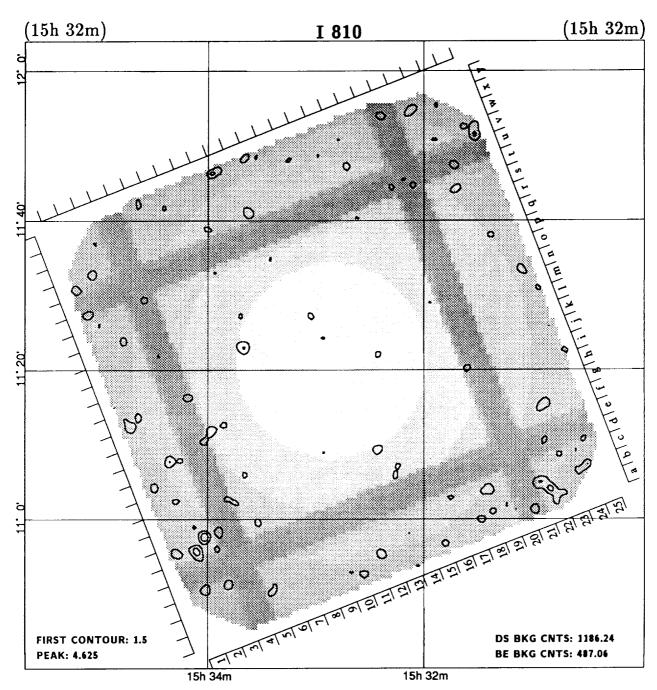
ℓ: 17.12 b: 47.89

DATE: 1979/ 27 - 1979/ 27 LIVETIME: 1255.6s

ROLL ANGLE: -115.0°

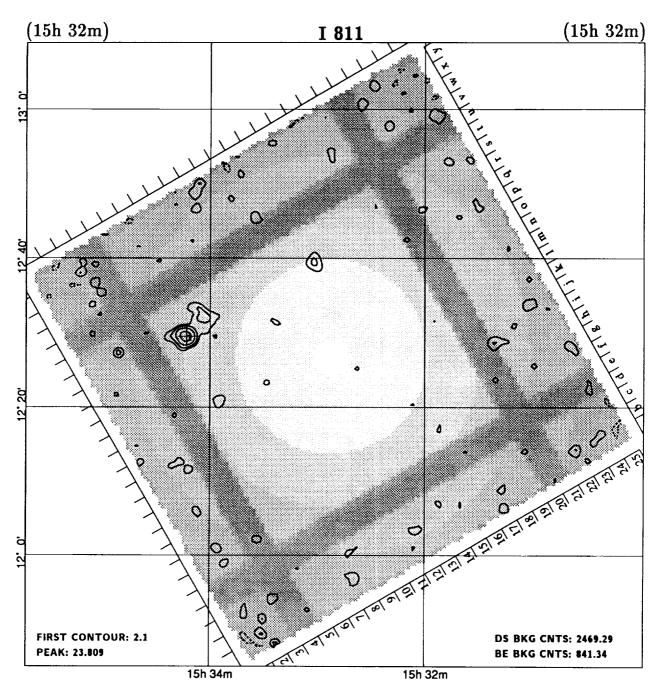
NH: 3.1E+20 REF/ID:

FIELD FLAGS: L



N. POLAR SPUR: SOFT X-RAY BACKGROUND

FIELD CENTER: 15^h32^m50.0^s 11°21′59″ (B1950) DATE: 1979/ 27 - 1979/ 27 NH: 3.3E+20 15^h35^m13.0^s 11°12′03″ (J2000) LIVETIME: 961.3_s REF/ID: ℓ: 18.54 b: 48.42 ROLL ANGLE: -111.1° FIELD FLAGS: L



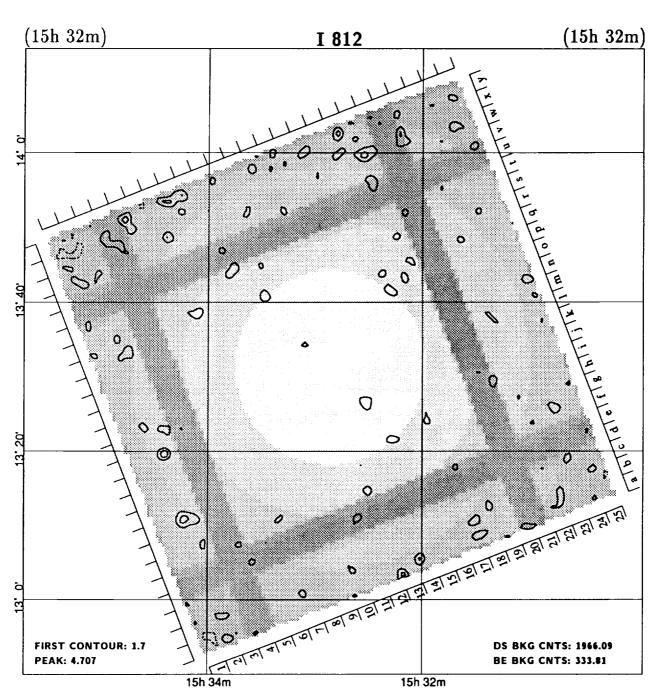
N. POLAR SPUR: SOFT X-RAY BACKGROUND

FIELD CENTER: $15^h 32^m 50.0^s$ $12^o 26' 59''$ (B1950) $15^h 35^m 12.0^s$ $12^o 17' 03''$ (J2000) ℓ : 19.98 b: 48.93

DATE: 1979/ 27 - 1979/ 27 LIVETIME: 2001.0s ROLL ANGLE: -120.1°

NH: 3.4E+20 REF/ID: FIELD FLAGS:

FLD DEC COUNT CAT RA \pm 士 NET BKG S/N SIZE RECO SRC ID (1950) RATE (1950)CTS CTS COR **FLG** 3470 15 34 13.1 12 29 31 0.0599 0.0080 61.2 5.8 7.5 1.3 0 20.6 Н



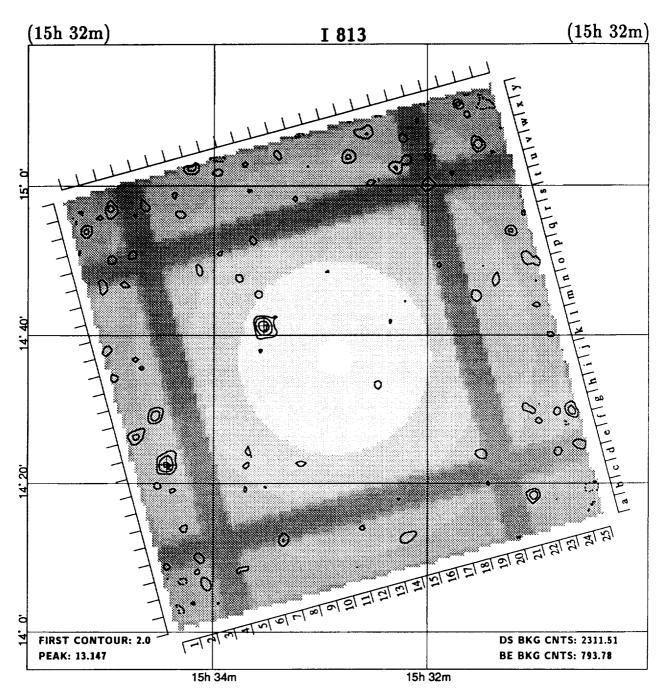
N. POLAR SPUR: SOFT X-RAY BACKGROUND

FIELD CENTER: 15^h 32^m 50.0^s 13°31'59" (B1950) 15^h 35^m 10.9^s 13°22′03″ (J2000)

l: 21.46 b: 49.42

DATE: 1979/ 28 - 1979/ 28 LIVETIME: 1593.2s ROLL ANGLE: -111.2°

NH: 3.5E+20 REF/ID: FIELD FLAGS:



N. POLAR SPUR: SOFT X-RAY BACKGROUND

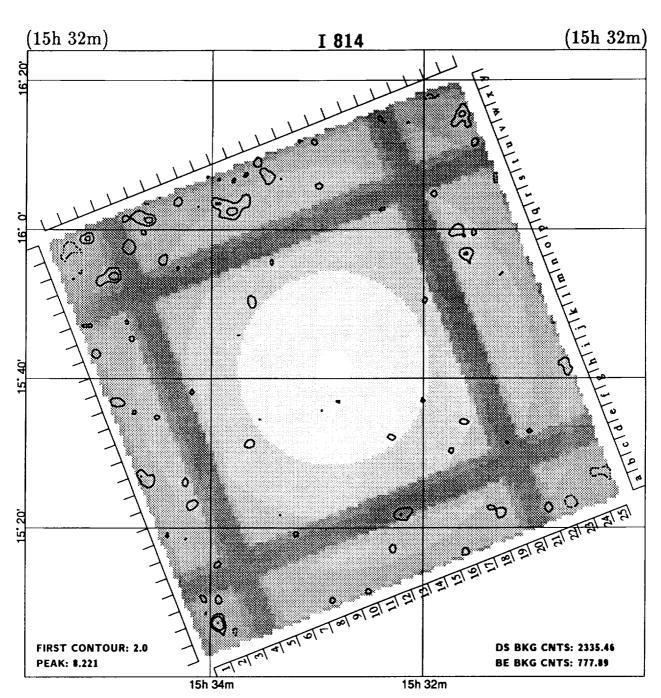
FIELD CENTER: $15^h 32^m 50.0^s 14^o 36'59''$ (B1950) $15^h 35^m 09.8^s 14^o 27'03''$ (J2000) $\ell_1: 22.96 \quad b: 49.90$

LIVETIME: 1873.1s ROLL ANGLE: -105.0°

DATE: 1979/ 28 - 1979/ 28

NH: 3.4E+20 REF/ID: FIELD FLAGS:

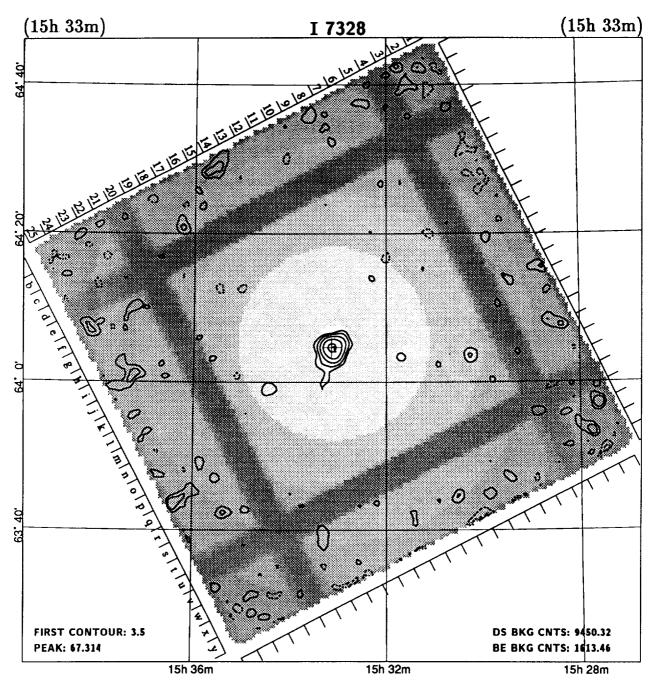
CAT	FLD	RA	DEC	±	COUNT	±	NET	BKG	S/N	SIZE	RECO	R'	SRC	ID
#	#	(1950)	(1950)	"	RATE		CTS	CTS		COR			FLG	
3468	1	15 33 32.0	14 41 16	41	0.0264	0.0051	32.6	7.4	5.2	0.9	0	11.2	Н	AGN
3472	2	15 34 26.1	14 22 31	55	0.0220	0.0063	16.5	5.5	3.5	0.8	0	27.5	н	



N. POLAR SPUR: SOFT X-RAY BACKGROUND

FIELD CENTER: $15^h 32^m 50.0^s$ $15^o 41'59''$ (B1950) $15^h 35^m 08.7^s$ $15^o 32'03''$ (J2000) ℓ : 24.50 ℓ : 50.35

DATE: 1979/ 28 - 1979/ 28 LIVETIME: 1892.5s ROLL ANGLE: -111.4° NH: 3.1E+20 REF/ID: FIELD FLAGS:

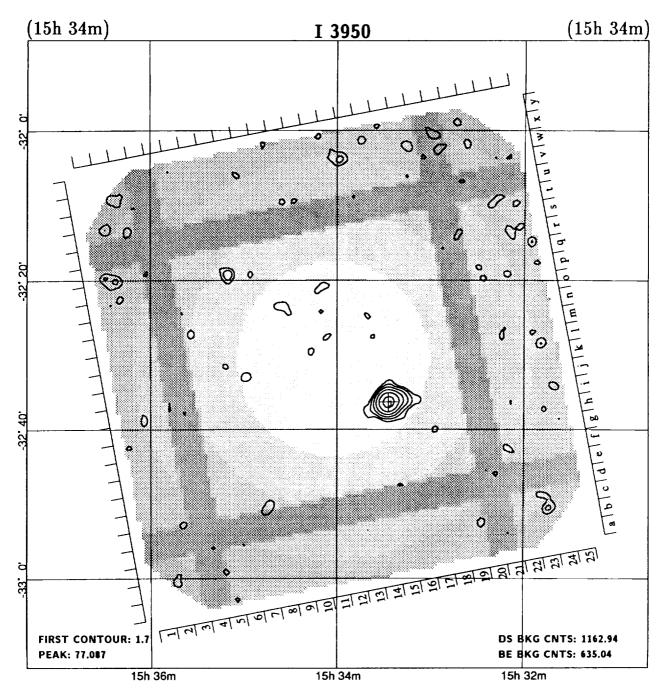


TW DRA, ALGOL-LIKE SYSTEM

FIELD CENTER: 15^h33^m06.9^s 64°04'21" (B1950) 15^h33^m50.8^s 63°54'23" (J2000) £: 99.07 b: 44.97

DATE: 1980/204 - 1980/205 LIVETIME: 7657.9s ROLL ANGLE: 62.8° NH: 1.9E+20 REF/ID: FIELD FLAGS:

CAT	FLD	RA	DEC	±	COUNT	±	NET	BKG	S/N	SIZE	RECO	R'	SRC	Œ
#	#	(1950)	(1950)	"	RATE		CTS	CTS		COR			FLG	
3466	1	15 33 08.3	64 04 35	31	0.0492	0.0031	280.7	28.3	16.0	1.3	0	0.4	Н	S



H1540-32: EXTENDED SOFT SOURCE/POSSIBLE OLD SNR

FIELD CENTER: 15^h 34^m 00.0^s -32°29′59″ (B1950) 15^h 37^m 08.2^s -32°39′50″ (J2000)

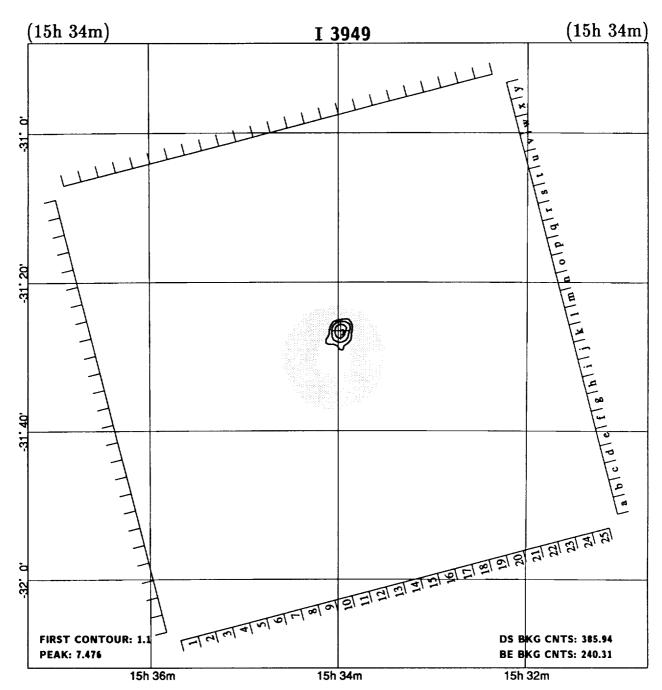
ℓ: 338.88 b: 18.40

DATE: 1980/ 51 - 1980/ 51 LIVETIME: 942.4s

ROLL ANGLE: -100.6°

NH: 7.6E+20 REF/ID: FIELD FLAGS: L

Г	CAT	FLD	RA	DEC	±	COUNT	±	NET	BKG	S/N	SIZE	RECO	R'	SRC	ID
	#	#	(1950)	(1950)	"	RATE		стѕ	CTS		COR			FLG	
Г	3467	1L	15 33 26.9	-32 36 19	38	0.410	0.030	259.6	23.4	13.6	1.2	0	9.3		



H1540-32: EXTENDED SOFT SOURCE/POSSIBLE OLD SNR

FIELD CENTER: 15^h34^m00.0^s -31°29'59" (B1950) 15^h37^m06.9^s -31°39'50" (12000)

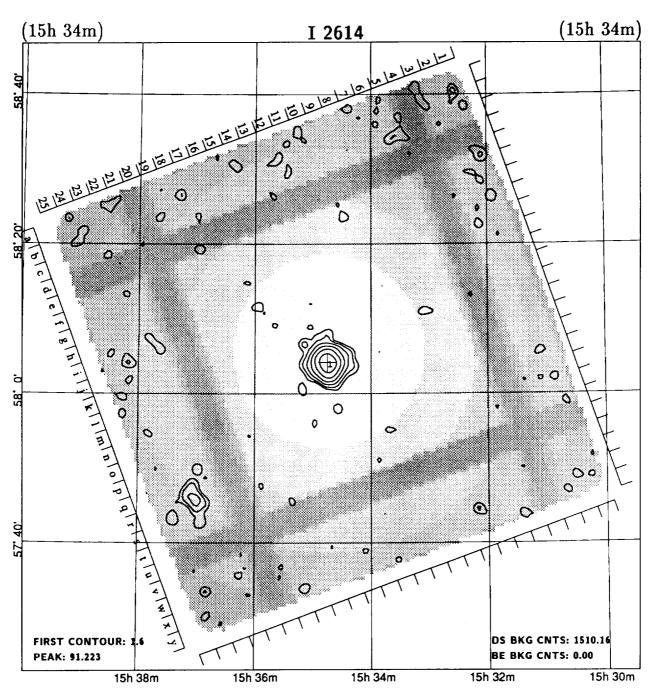
 $15^{h}37^{m}06.9^{s}$ -31°39′50″ (J2000) ℓ : 339.53 b: 19.19

12000) LIVETIME: 312.7s ROLL ANGLE: -104.5°

DATE: 1980/ 51 - 1980/ 51

NH: 7.8E+20 REF/ID: FIELD FLAGS: L

CAT	FLD	RA	DEC	±	COUNT	±	NET	BKG	S/N	SIZE	RECO	R'	SRC	ID
#	#	(1950)	(1950)	"	RATE		CTS	CTS		COR			FLG	
3469	1L	15 33 58.5	-31 26 34	36	0.101	0.027	23.0	5.0	3.6	1.0	0	3.4		



SEYFERT GALAXY SURVEY: MKN 290

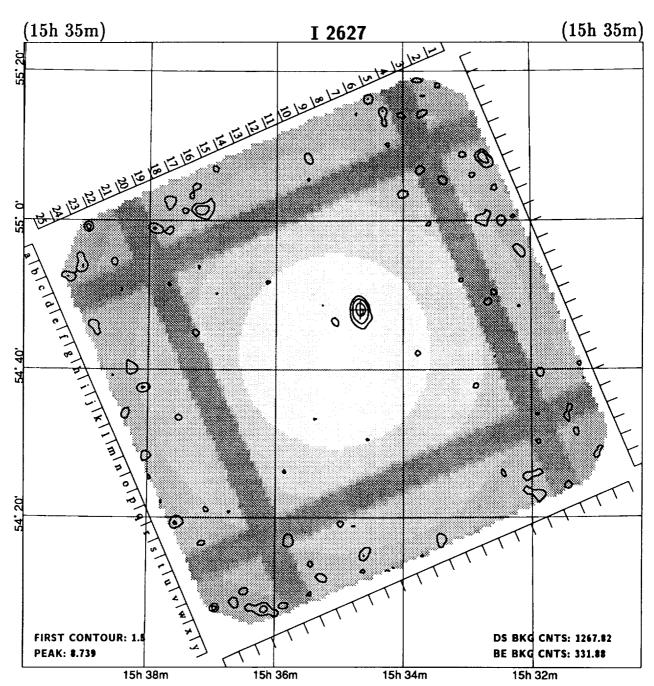
FIELD CENTER: $15^h 34^m 42.0^s$ $58^o 04'59''$ (B1950) $15^h 35^m 49.4^s$ $57^o 55'08''$ (J2000) ℓ : 91.52 b: 47.95

DATE: 1979/210 - 1979/210 LIVETIME: 1223.7s

ROLL ANGLE: 70.0° FIEL

NH: 1.8E+20 REF/ID: FIELD FLAGS: L

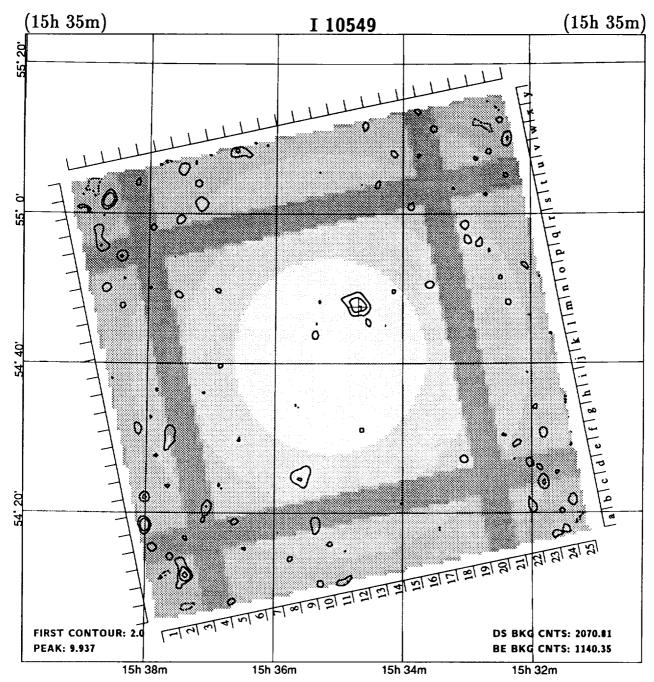
CAT	FLD	RA	DEC	±	COUNT	±	NET	BKG	S/N	SIZE	RECO	R'	SRC	ID
#	#	(1950)	(1950)	"	RATE		CTS	CTS		COR			FLG	
347	1L	15 34 44.9	58 04 11	31	0.332	0.026	301.7	115.3	12.4	1.6	0	0.9		SY



SEYFERT GALAXY SURVEY: MKN 486

FIELD CENTER: 15^h35^m06.0^s 54°41′59" (B1950) 15^h36^m23.7^s 54°32′10" (J2000) ℓ: 86.91 b: 49.44 DATE: 1979/210 - 1979/210 LIVETIME: 1027.4s ROLL ANGLE: 66.6° NH: 1.4E+20 REF/ID: FIELD FLAGS: C

CAT	FLD	RA	DEC	±	COUNT	±	NET	BKG	S/N	SIZE	RECO	R'	SRC	ID
#	#	(1950)	(1950)	"	RATE		CTS	CTS		COR			FLG	
3473	1	15 34 40.7	54 48 01	41	0.0416	0.0081	30.0	4.0	5.1	1.0	0	6.8	AH	



MKN 486 (STEINER) SEYFERT FOLLOWUP

FIELD CENTER: 15^h35^m06.0^s 54°41′59" (B1950) 15^h36^m23.7^s 54°32′10" (J2000)

15"36" 23.7° 54"32'10" (J2000 l: 86.91 b: 49.44 DATE: 1981/ 37 - 1981/ 37 LIVETIME: 1678.1s

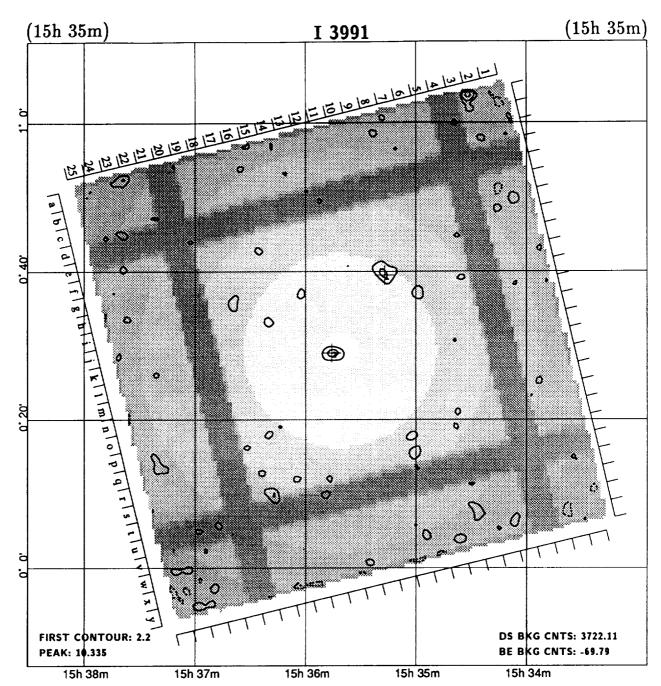
ROLL ANGLE: -101.8°

REF/ID:

FIELD FLAGS: C

NH: 1.4E+20

Γ	CAT	FLD	RA	DEC	±	COUNT	±	NET	BKG	S/N	SIZE	RECO	R'	SRC	ID
L	#	#	(1950)	(1950)	"	RATE		CTS	CTS		COR			FLG	
Г	3473	1	15 34 41.7	54 47 32	43	0.0221	0.0050	25.6	7.4	4.4	1.1	0	7.1	AH	



1535+004, OPTICALLY-QUIET COMPACT RADIO SOURCE

FIELD CENTER: 15h35m42.6 00°28'50" (B1950) 15h 38m 16.0' 00° 19'05" (J2000)

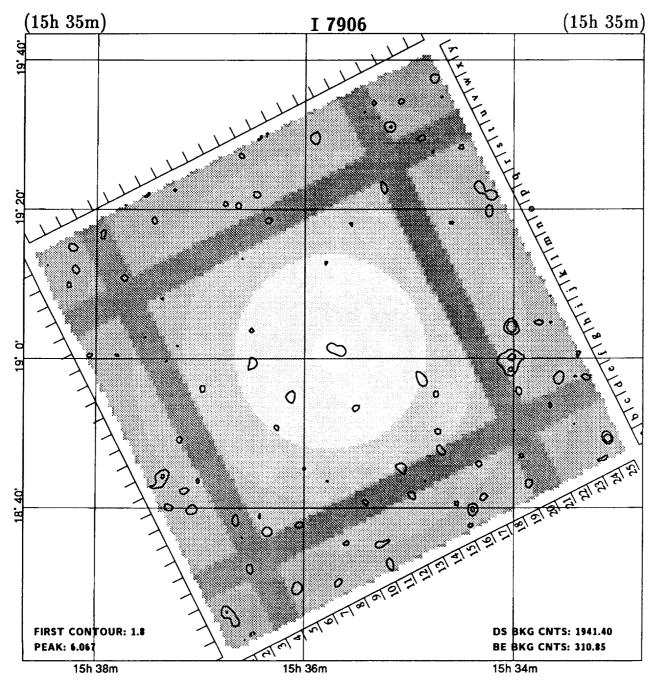
ℓ: 6.17 b: 41.83

DATE: 1979/229 - 1979/229 LIVETIME: 3016.1s

ROLL ANGLE: 76.5°

NH: 5.9E+20 REF/ID: FIELD FLAGS:

CAT	FLD	RA	DEC	±	COUNT	±	NET	BKG	S/N	SIZE	RECO	R'	SRC II	D
#	#	(1950)	(1950)	"	RATE		CTS	CTS		COR			FLG	
3476	1	15 35 17.0	00 39 29	46	0.0096	0.0027	18.6	8.4	3.6	8.0	0	12.4	Н	
3478	2	15 35 45.8	00 29 02	37	0.0091	0.0024	20.4	9.6	3.7	0.7	0	0.8	Н	



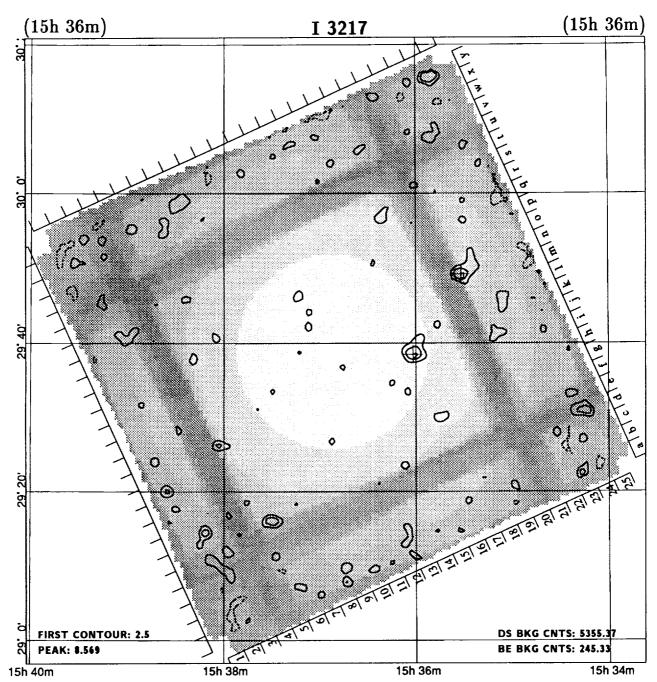
STEPANIAN,4 BLUE GALACTIC EMISSION LINE OBJECTS

FIELD CENTER: 15^h35^m44.0^s 19°01'29" (B1950) 15^h37^m59.1^s 18°51'43" (J2000)

ℓ: 29.77 b: 50.97

DATE: 1980/ 20 - 1980/ 20 LIVETIME: 1573.2s ROLL ANGLE: -116.9°

NH: 3.7E+20 REF/ID: FIELD FLAGS:

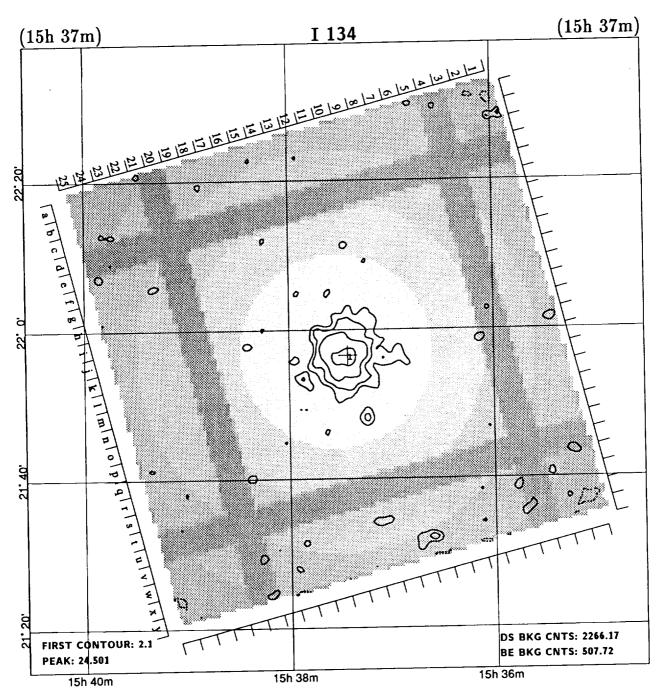


RS CVN SYSTEMS: RT CRB

FIELD CENTER: $15^h 36^m 50.0^s$ $29^o 38' 56''$ (B1950) $15^h 38^m 52.9^s$ $29^o 29' 14''$ (J2000) ℓ : 46.71 δ : 53.27

DATE: 1979/ 29 - 1980/ 23 LIVETIME: 4339.7s ROLL ANGLE: -114.4° NH: 2.4E+20 REF/ID: FIELD FLAGS:

CAT	FLD	RA	DEC	±	COUNT	±	NET	BKG	S/N	SIZE	RECO	R'	SRC	ID
#	#	(1950)	(1950)	"	RATE		CTS	CTS		COR			FLG	
3477	1	15 35 31.6	29 49 14	55	*0.0100	0.0025	21.9	7.1	4.1	1.2	906	19.7	Н	S
3479	2	15 36 01.7	29 38 29	42	0.0107	0.0023	30.5	11.5	4.7	1.0	0	10.5	Н	cv



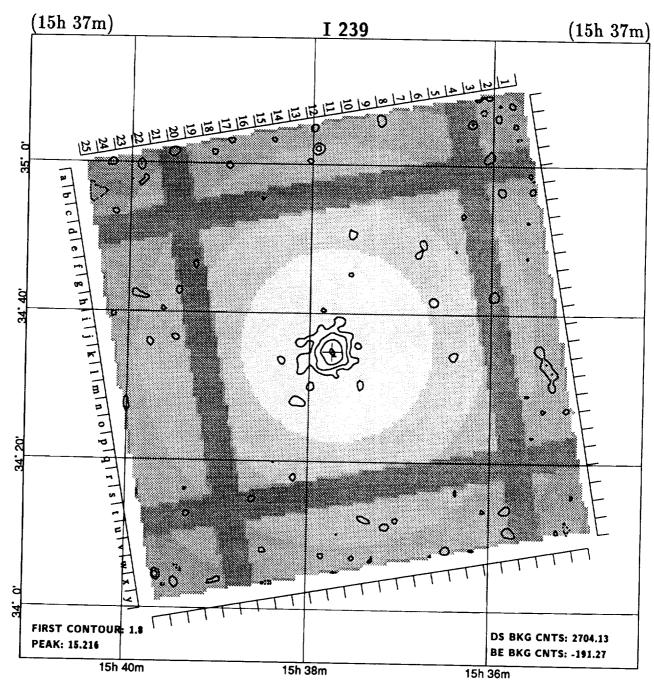
A2107 CLUSTER SURFACE BRIGHTNESS

FIELD CENTER: 15^h37^m33.6^s 21°56'23" (B1950) 15^h39^m45.5^s 21°46'44" (J2000)

ℓ: 34.40 b: 51.50

DATE: 1979/225 - 1979/225 LIVETIME: 1836.3s ROLL ANGLE: 75.5° NH: 4.5E+20 REF/ID: FIELD FLAGS:

1	CAT	FLD	RA (1950)	DEC (1950)	± "	COUNT RATE	±	NET CTS	BKG CTS	S/N	SIZE COR	RECO	R'	SRC FLG	ID
	3482	#	15 37 25.7	21 56 32	31	0.0888	0.0083	120.6	6.4	10.7	4.5	0	1.5	H	CLG



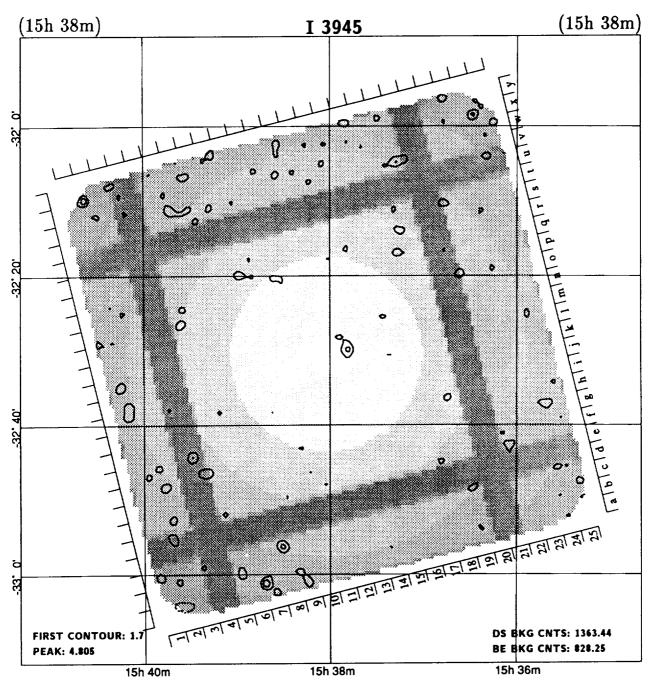
A 2111 CLUSTER EVOLUTION

FIELD CENTER: $15^h 37^m 43.0^s 34^o 34'59''$ (B1950) $15^h 39^m 39.3^s 34^o 25'20''$ (J2000) ℓ : 54.98 b: 53.41

DATE: 1979/229 - 1979/229 LIVETIME: 2191.26 ROLL ANGLE: 80.1°

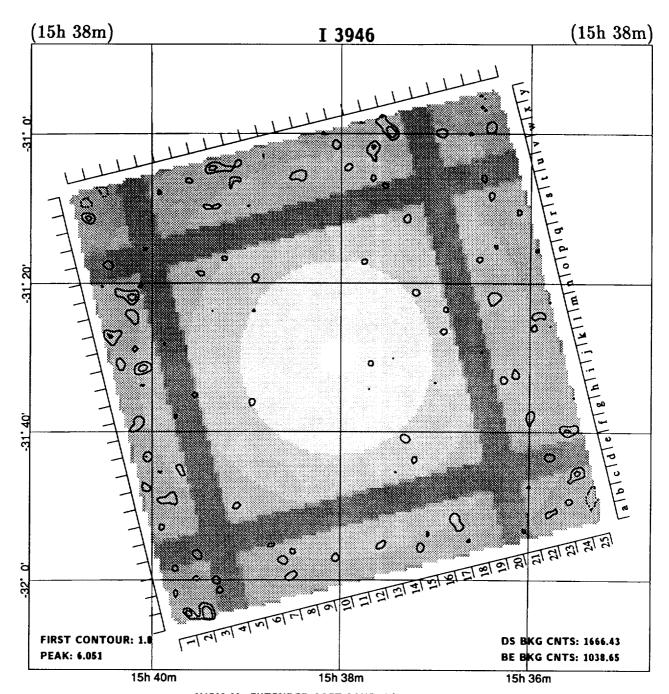
NH: 2.0E+20 REF/ID: FIELD FLAGS:

CAT	FLD	RA	DEC	±	COUNT	+	NET	BKG	S/N	CIZE	0566		T	
#	#	(1950)	(1950)	"	RATE	_	CTS	CTS	3/ N	COR	RECO	R'	SRC	ID .
3484	1	15 37 45.2	34 34 49	32		0.0057	80.7	6.3	8.7	COR			FLG	
						0.0001	00.7	0.3	0.1	2.1		0.4	Н	CLG



H1540-32: EXTENDED SOFT SOURCE/POSSIBLE OLD SNR

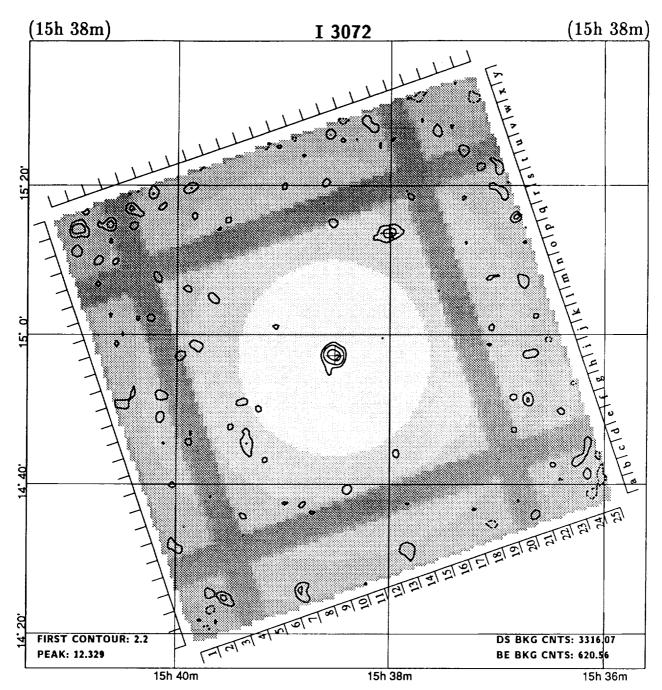
FIELD CENTER: $15^h38^m00.0^s$ -32°29′59″ (B1950) $15^h41^m08.7^s$ -32°39′36″ (J2000) ℓ : 339.57 b: 17.88 DATE: 1980/ 51 - 1980/ 51 LIVETIME: 1104.9s ROLL ANGLE: -103.9° NH: 7.5E+20 REF/ID: FIELD FLAGS: L



H1540-32: EXTENDED SOFT SOURCE/POSSIBLE OLD SNR

FIELD CENTER: $15^h38^m00.0^s$ $-31^\circ29'59''$ (B1950) $15^h41^m07.3^s$ $-31^\circ39'36''$ (J2000) ℓ : 340.23 b: 18.66

DATE: 1980/ 51 - 1980/ 51 LIVETIME: 1350.4s ROLL ANGLE: -104.0° NH: 7.3E+20 REF/ID: FIELD FLAGS: L



4C 14.60: BL LAC'S IN CLUSTERS OF GALAXIES

FIELD CENTER: 15^h 38^m 30.0^s 14°57'21" (B1950) 15h40m49.2s 14°47'45" (J2000)

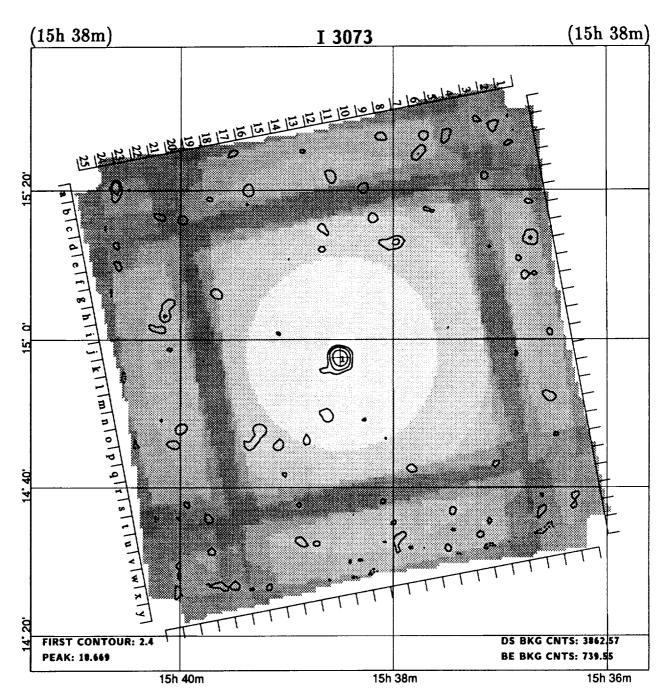
ℓ: 24.33 b: 48.80

LIVETIME: 2687.1s ROLL ANGLE: -109.0°

DATE: 1979/ 33 - 1979/ 33

NH: 3.2E+20 REF/ID: FIELD FLAGS: C

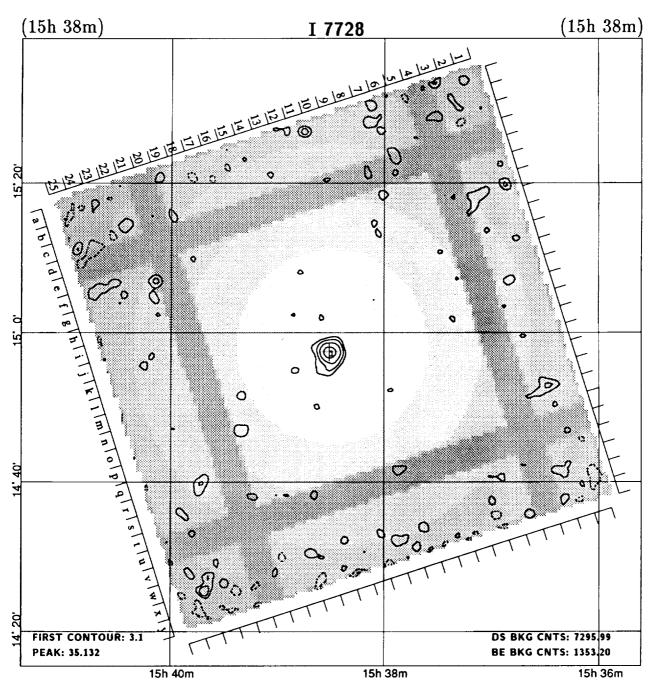
CAT	FLD	RA	DEC	±	COUNT	±	NET	BKG	S/N	SIZE	RECO	R'	SRC	ID
#	#	(1950)	(1950)	"	RATE		CTS	CTS		COR			FLG	
3485	1	15 38 00.6	15 13 35	55	0.0131	0.0035	18.9	7.1	3.7	0.8	0	17.8	Н	
3486	2	15 38 31.0	14 57 12	35	0.0287	0.0041	57.5	9.5	7.0	0.9	0	0.4	AH	BL



4C 14.60: BL LAC'S IN CLUSTERS OF GALAXIES

FIELD CENTER: 15^h38^m30.0^s 14°57'21" (B1950) 15^h40^m49.2^s 14°47'45" (J2000) £: 24.33 b: 48.80 DATE: 1979/226 - 1979/240 LIVETIME: 3129.90 ROLL ANGLE: 79.3° NH: 3.2E+20 REF/ID: FIELD FLAGS: C

CAT	FLD	RA	DEC	±	COUNT	±	NET	BKG	S/N	SIZE	RECO	R'	SRC	ID
#	#	(1950)	(1950)	"	RATE		CTS	CTS		COR			FLG	
3486	1	15 38 30.1	14 57 31	32	0.0344	0.0041	80.1	11.9	8.4	1.0	0	0.2	AH	BL



4C 14.60,BL LAC OBJECTS W/GROUPS OR CLUSTERS OF GALAXIES

FIELD CENTER: 15^h38^m30.0^s 14°57'21" (B1950) 15^h40^m49.2^s 14°47'45" (J2000)

ℓ: 24.33 b: 48.80

DATE: 1980/220 - 1980/220

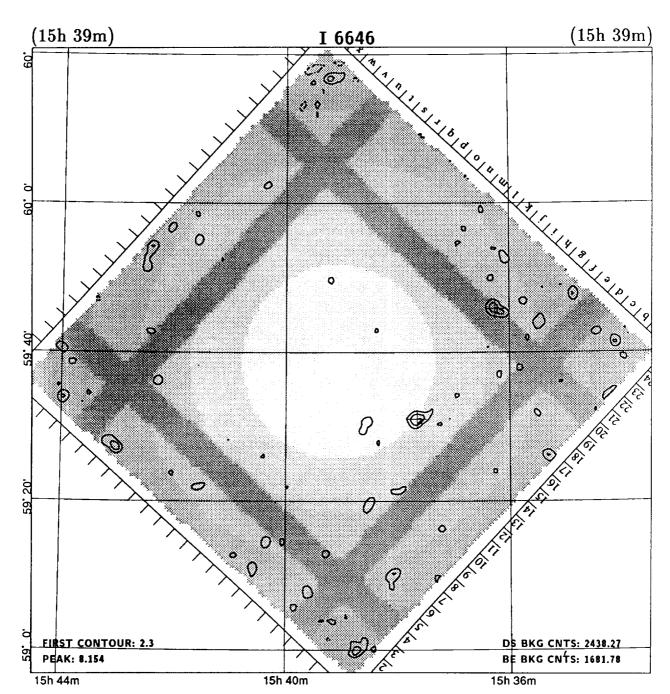
LIVETIME: 5912.2s

ROLL ANGLE: 72.4°

NH: 3.2E+20 REF/ID:

FIELD FLAGS: C

CAT	FLD	RA	DEC	±	COUNT	±	NET	BKG	S/N	SIZE	RECO	R'	SRC	ID
#	#	(1950)	(1950)	"	RATE		стѕ	CTS		COR			FLG	
3486	1	15 38 30.8	14 57 24	31	0.0332	0.0029	145.9	22.1	11.3	1.2	0	0.2	AH	BL

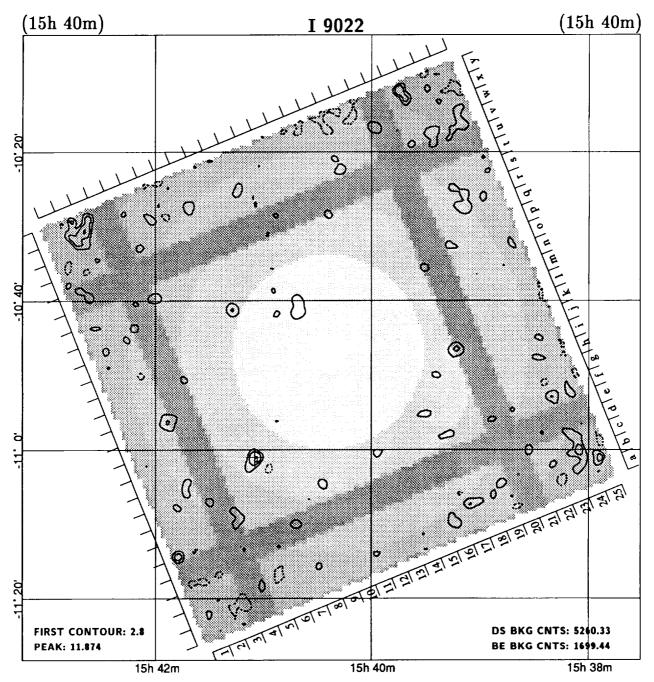


TG102, SURVEY OF GROUPS OF GALAXIES

FIELD CENTER: $15^h 39^m 00.0^s 59^o 38'59''$ (B1950) $15^h 40^m 00.7^s 59^o 29'23''$ (J2000) ℓ : 93.14 δ : 46.71

DATE: 1980/ 2 - 1980/ 2 LIVETIME: 1975.9s ROLL ANGLE: -137.4° NH: 1.8E+20 REF/ID: FIELD FLAGS:

CAT	FLD	RA	DEC	Ŧ	COUNT	±	NET	BKG	S/N	SIZE	RECO	R'	SRC	ID
#	#	(1950)	(1950)	"	RATE		CTS	CTS		COR			FLG	
3480	1	15 36 15.5	59 45 53	59	*0.0174	0.0049	16.3	4.7	3.6	0.8	1008	21.7	Н	Î
3483	2	15 37 39.2	59 31 03	42	0.0162	0.0044	19.9	9.1	3.7	0.8	0	12.9		

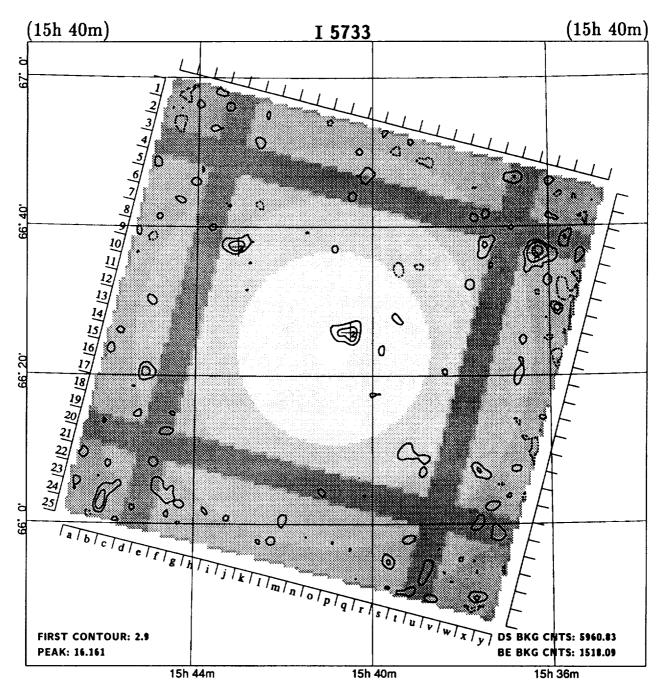


CORONAE OF METAL DEFICIENT STARS: HD 140283

FIELD CENTER: 15^h40^m22.5^s -10°46'17" (B1950) 15^h43^m06.8^s -10°55'46" (J2000) \$\ell\$: 356.33 \quad b: 33.61

DATE: 1981/ 28 - 1981/ 28 LIVETIME: 4262.7s ROLL ANGLE: -112.1° NH: 1.1E+21 REF/ID: FIELD FLAGS:

CAT	FLD	RA	DEC	±	COUNT	±	NET	BKG	S/N	SIZE	RECO	R'	SRC I	ID
#	#	(1950)	(1950)	"	RATE		CTS	CTS		COR			FLG	
3489	1	15 41 04.8	-11 01 01	51	0.0101	0.0026	23.9	14.1	3.9	0.8	0	18.0		

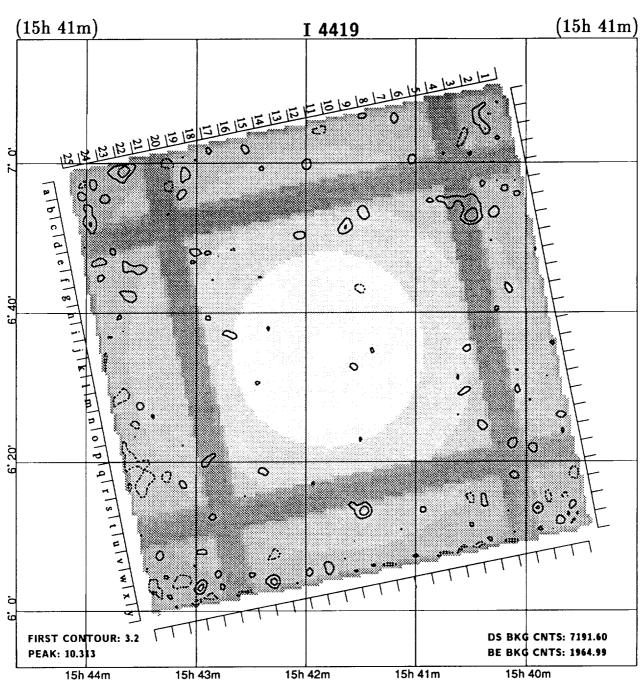


CLUSTERS WITH IPC: A2125

FIELD CENTER: $15^{h}40^{m}48.0^{s}$ $66^{\circ}22'59''$ (B1950) $15^{h}41^{m}16.7^{s}$ $66^{\circ}13'28''$ (J2000) ℓ : 101.09 ℓ : 43.00

DATE: 1980/154 - 1980/154 LIVETIME: 4830.3s ROLL ANGLE: 14.3° NH: 3.0E+20 REF/ID: FIELD FLAGS:

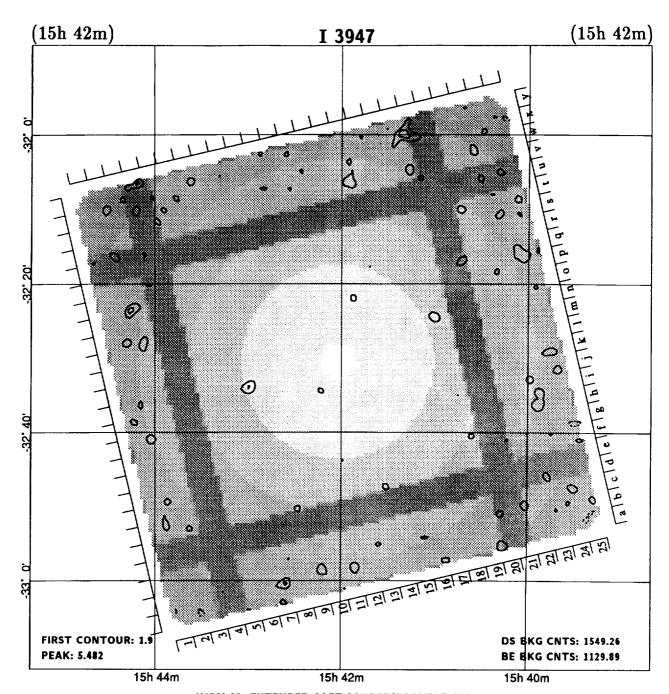
CAT	FLD	RA	DEC	±	COUNT	±	NET	BKG	S/N	SIZE	RECO	R'	SRC	ID
#	#	(1950)	(1950)	"	RATE		CTS	CTS		COR			FLG	
3481	1	15 36 18.7	66 36 22	52	*0.0181	0.0038	30.5	9.5	4.8	1.2	806	30.4	Н	
3488	2	15 40 30.4	66 25 54	36	0.0097	0.0020	34.1	17.9	4.7	1.1	0	3.2	н	CLG
3493	3	15 43 04.0	66 37 21	53	0.0095	0.0024	24.3	12.7	4.0	0.9	0	19.8	н	



STELLAR SURVEY: ALPHA SER

FIELD CENTER: $15^h41^m49.0^s$ $06^o34'29''$ (B1950) $15^h44^m16.4^s$ $06^o25'06''$ (J2000) ℓ : 14.20 b: 44.07 DATE: 1979/226 - 1979/226 LIVETIME: 5827.66 ROLL ANGLE: 78.7°

NH: 3.7E+20 REF/ID: FIELD FLAGS:



H1540-32: EXTENDED SOFT SOURCE/POSSIBLE OLD SNR

FIELD CENTER: 15^h42^m00.0^s -32°29'59" (B1950) 15^h45^m09.1^s -32°39'21" (J2000)

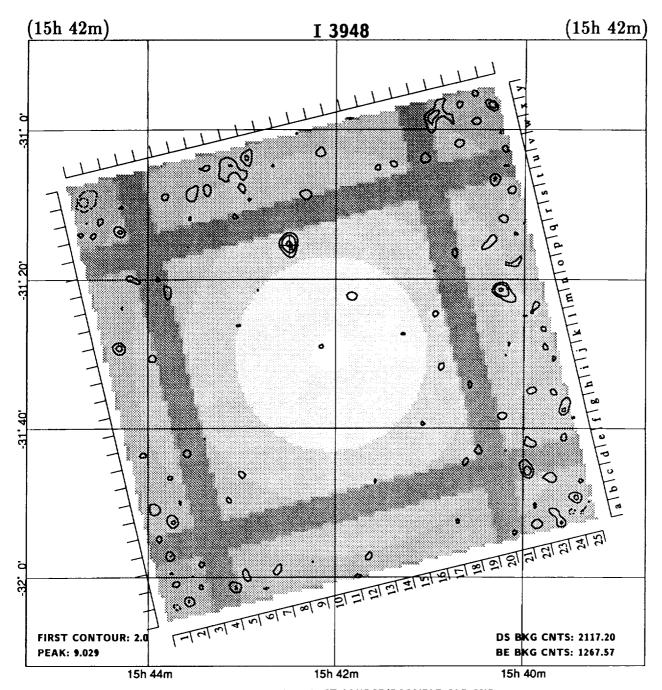
ℓ: 340.26 *b*: 17.34

DATE: 1980/ 51 - 1980/ 51 LIVETIME: 1255.4s

ROLL ANGLE: -103.4°

REF/ID: FIELD FLAGS: L

NH: 7.6E+20



H1540-32: EXTENDED SOFT SOURCE/POSSIBLE OLD SNR

FIELD CENTER: 15^h42^m00.0^s -31°29'59" (B1950) 15^h45^m07.7^s -31°39'21" (J2000)

ℓ: 340.93 b: 18.11

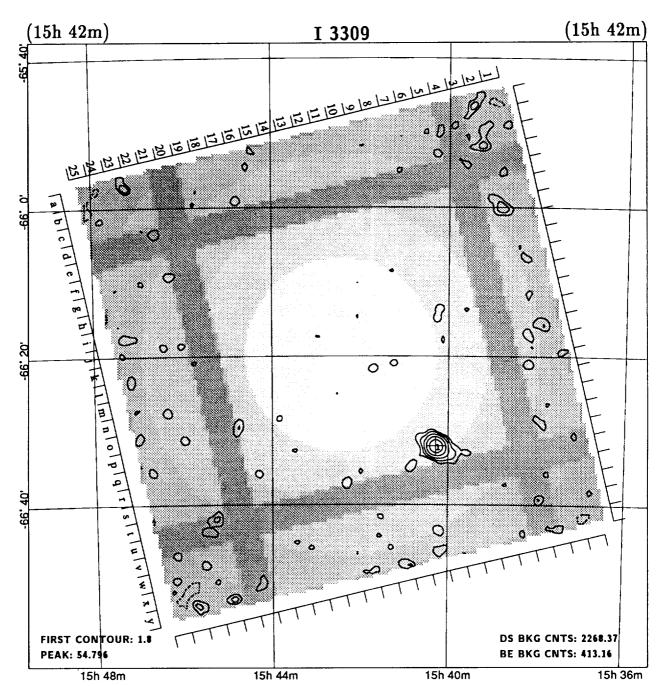
DATE: 1980/ 51 - 1980/ 51 LIVETIME: 1715.6s

ROLL ANGLE: -103.5°

NH: 7.4E+20 REF/ID:

REF/IU: FIELD FLAGS: L

Γ	CAT	FLD	RA	DEC	±	COUNT	±	NET	BKG	S/N	SIZE	RECO	R'	SRC	ID .
	#	#	(1950)	(1950)	"	RATE		CTS	CTS		COR			FLG	
	3492	1L	15 42 29.8	-31 15 30	51	0.0292	0.0067	29.1	4.9	4.2	0.8	200	15.8		



SYMBIOTIC STARS: HEN 1092

FIELD CENTER: 15^h42^m29.9^s -66°19'58" (B1950) 15^h47^m10.8^s -66°29'16" (J2000)

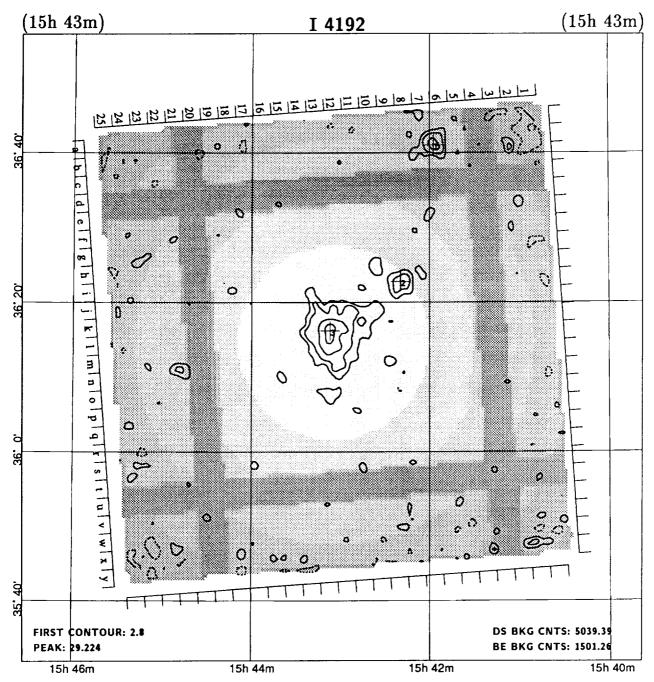
ℓ: 319.22 *b*: -9.35

DATE: 1979/239 - 1979/239 LIVETIME: 1838.1s

ROLL ANGLE: 77.0°

NH: 1.3E+21 REF/ID: S FIELD FLAGS:

CAT	FLD	RA	DEC	±	COUNT	±	NET	BKG	S/N	SIZE	RECO	R'	SRC	ID
#	#	(1950)	(1950)	"	RATE		CTS	CTS		COR			FLG	
3487	1	15 40 17.1	-66 32 05	47	0.141	0.012	141.9	5.1	11.7	1.1	0	17.7	Н	

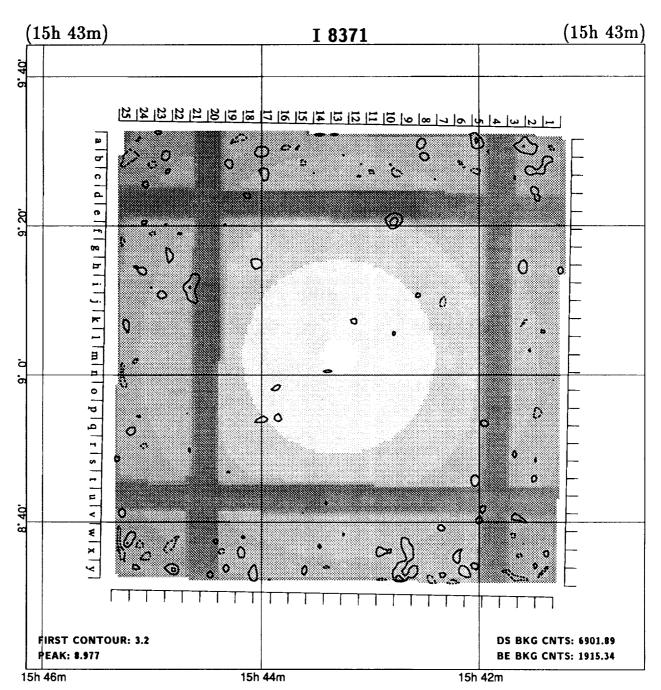


A 2124, CLUSTER WITH WELL-STUDIED OPTICAL PROPERTIES

FIELD CENTER: $15^h 43^m 06.0^s$ $36^o 13'59''$ (B1950) $15^h 44^m 59.3^s$ $36^o 04'39''$ (J2000) ℓ : 57.71 b: 52.30

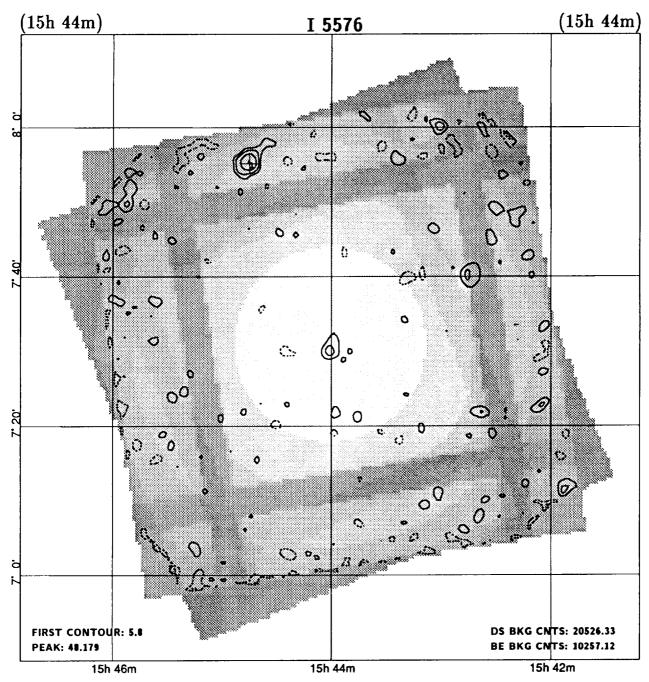
DATE: 1979/237 - 1979/237 LIVETIME: 4083.6s ROLL ANGLE: 85.9° NH: 1.8E+20 REF/ID: FIELD FLAGS:

CAT	FLD	RA	DEC	±	COUNT	±	NET	BKG	S/N	SIZE	RECO	R'	SRC	ID
#	#	(1950)	(1950)	"	RATE		CTS	CTS		COR			FLG	
3490	1	15 41 57.4	36 41 01	53	0.0241	0.0046	35.0	10.0	5.2	2.0	0	31.7	Н	
3491	2	15 42 19.5	36 22 47	42	0.0143	0.0028	37.2	14.8	5.2	1.1	0	12.8	Н	
3494	3	15 43 07.0	36 16 09	31	0.0439	0.0041	132.7	19.3	10.8	3.6	0	2.0	н	CLG



1543+091, EXTREME STAR FORMATION

FIELD CENTER: $15^h 43^m 19.0^s 09^\circ 02'17''$ (B1950) $15^h 45^m 44.0^s 08^\circ 52'59''$ (J2000) ℓ : 17.42 b: 45.03 DATE: 1980/239 - 1980/239 LIVETIME: 5592.8s ROLL ANGLE: 90.9° NH: 3.4E+20 REF/ID: FIELD FLAGS: L

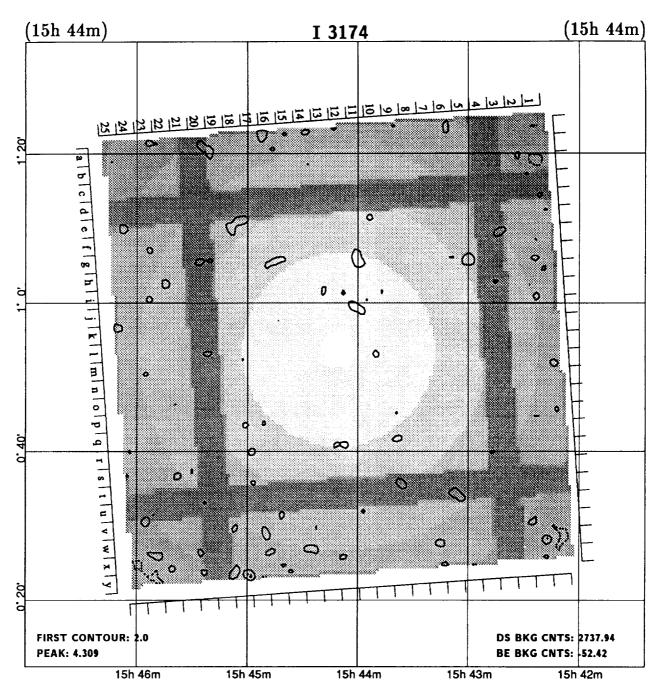


Lambda SER

FIELD CENTER: $15^h 44^m 01.0^s$ $07^o 30' 29''$ (B1950) $15^h 46^m 27.5^s$ $07^o 21' 14''$ (J2000) ℓ : 15.70 ℓ : 44.10

DATE: 1980/240 - 1981/ 26 LIVETIME: 16633.1s NH: 3.4E+20 REF/ID: ! FIELD FLAGS: L

CAT	FLD	RA	DEC	±	COUNT	±	NET	BKG	S/N	SIZE	RECO	R'	SRC	ID
#	#	(1950)	(1950)	"	RATE		CTS	CTS		COR			FLG	
3497	1L	15 44 45.3	07 55 08	50	0.0124	0.0022	83.3	69.7	5.4	1.2	0	26.8		



EG113: NEW WHITE DWARF X-RAY SOURCES

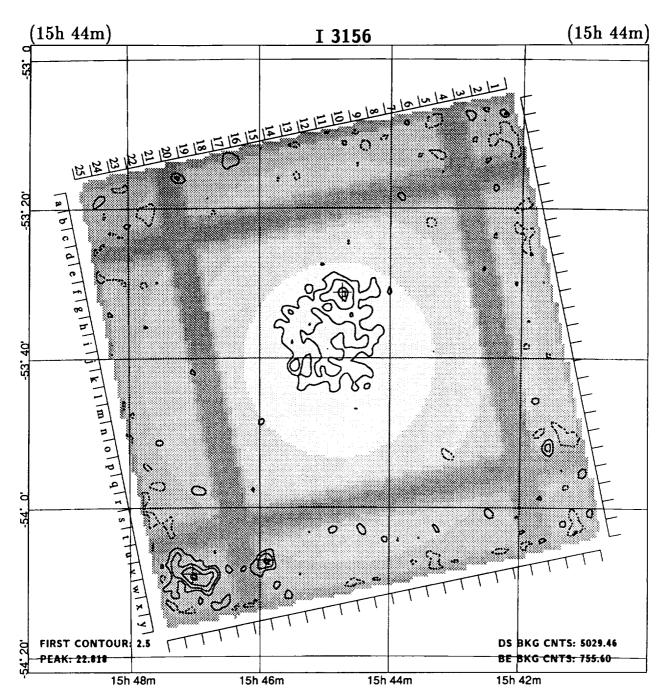
FIELD CENTER: 15^h44^m12.0° 00°52′59″ (B1950) 15^h46^m44.9° 00°43′44″ (J2000)

ℓ: 8.29 b: 40.38

DATE: 1979/228 - 1979/228 LIVETIME: 2218.6s

ROLL ANGLE: \$6.1°

NH: 6.4E+20 REF/ID: FIELD FLAGS:



SNR NEAR COS-B GAMMA RAY SOURCES

FIELD CENTER: 15^h44^m48.0^s -53°40'11" (B1950) 15^h48^m37.9^s -53°49'22" (J2000)

ℓ: 327.28 *b*: 0.45

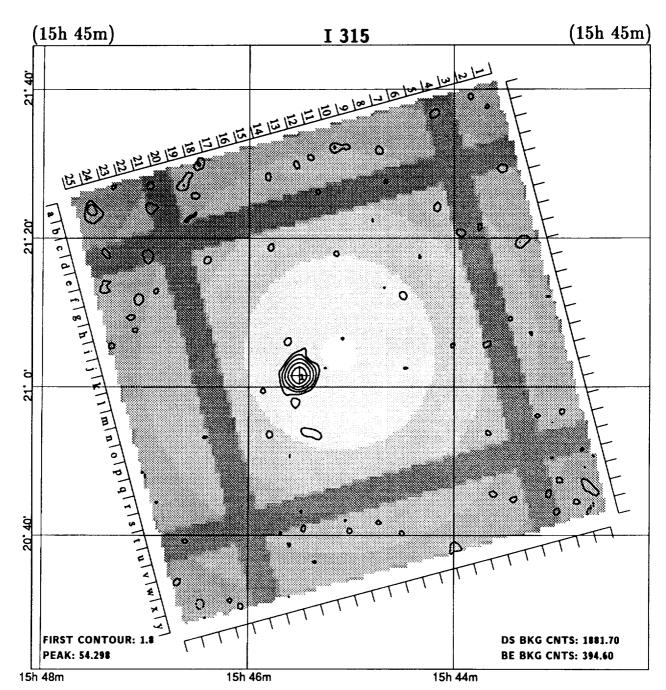
DATE: 1979/242 - 1979/242 LIVETIME: 4075.5s

ROLL ANGLE: 78.3°

NH: 1.5E+21 REF/ID:

FIELD FLAGS: D

CAT	FLD	RA	DEC	±	COUNT	±	NET	BKG	S/N	SIZE	RECO	R'	SRC	fD.
#	#	(1950)	(1950)	"	RATE		стѕ	CTS		COR			FLG	
3496	1	15 44 43.9	-53 31 11	41	0.0175	0.0028	48.2	12.8	6.2	9.8	0	9.2	Н	
3501	2	15 45 54.3	-54 07 03	55	*0.0122	0.0034	18.6	8.4	3.6	0.9	601	28.5		
3505	3	15 47 02.5	-54 08 55	51	0.0276	0.0055	30.6	6.4	5.0	2.1	0	34.7	Α	



ZW 1545 CLUSTERS WITH WELL STUDIED OPTICAL PROPERTIES

FIELD CENTER: 15^h45^m06.0^s 21°03'59" (B1950) 15^h47^m18.3^s 20°54′47″ (J2000)

ℓ: 33.91 b: 49.56

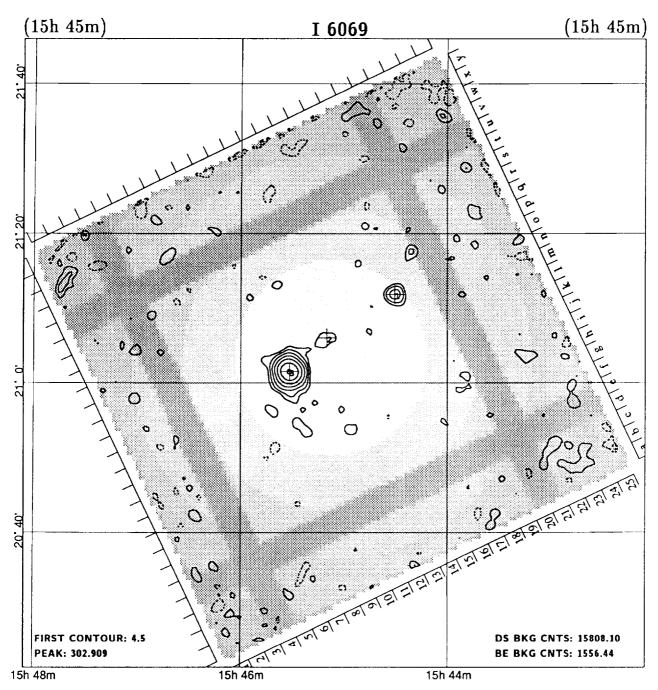
DATE: 1979/225 - 1979/225 LIVETIME: 1524.8s

ROLL ANGLE: 75.0°

NH: 4.3E+20 REF/ID:

FIELD FLAGS: C

CAT	FLD	RA	DEC	±	COUNT	±	NET	BKG	S/N	SIZE	RECO	R'	SRC	ID
#	#	(1950)	(1950)	"	RATE		CTS	CTS		COR			FLG	
3500	1	15 45 30.4	21 01 34	38	0.206	0.014	220.5	5.5	14.7	1.2	0	6.2	AH	*



ZW 1545+21,DETAILED STUDY OF CLUSTER EXTENTS

FIELD CENTER: 15h45m06.0s 21003'59" (B1950) 15^h47^m18.3^s 20°54'47" (J2000)

 ℓ : 33.91 b: 49.56

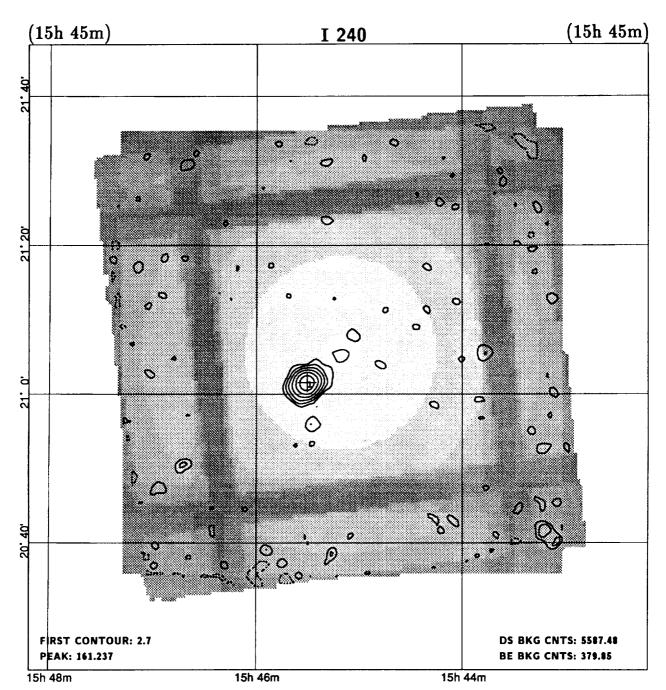
DATE: 1980/ 24 - 1980/ 25 LIVETIME: 12809.9s

ROLL ANGLE: -115.6°

NH: 4.3E+20 REF/ID:

FIELD FLAGS: C

[CAT	FLD	RA	DEC	±	COUNT	±	NET	BKG	S/N	SIZE	RECO	R'	SRC	ID
	#	#	(1950)	(1950)	"	RATE		стѕ	CTS		COR			FLG	
7	3495	1	15 44 30.4	21 11 53	38	0.0104	0.0013	84.8	36.2	7.7	0.8	0	11.3	Н	
3	3498	2	15 45 09.9	21 06 06	37	0.00369	0.00096	34.5	46.5	3.8	0.7	0	2.4		
	3500	3	15 45 31.6	21 01 33	37	0.1414	0.0040	1279.0	43.0	35.2	1.3	0	6.4	AH	*



ZWC 1545+21 CLUSTER EVOLUTION

FIELD CENTER: 15^h45^m12.0^s 21°04′59" (B1950) 15h47m24.3 20°55'47" (J2000)

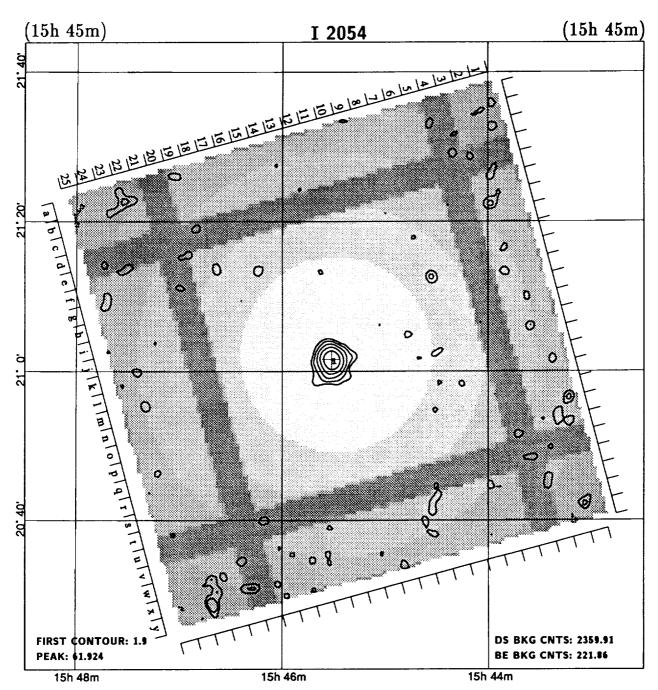
ℓ: 33.95 b: 49.55

DATE: 1979/238 - 1979/238

LIVETIME: 4527.7s

NH: 4.3E+20 REF/ID: FIELD FLAGS:

CAT	FLD	RA	DEC	±	COUNT	±	NET	BKG	S/N	SIZE	RECO	R'	SRC	ID
#	#	(1950)	(1950)	"	RATE		CTS	CTS		COR			FLG	
3500	1	15 45 30.4	21 01 31	37	0.1910	0.0078	609.7	13.3	24.4	1.2	0	5.5	AH	*



X-RAY STUDY OF QUASARS: 3C323.1=4C21.45

FIELD CENTER: 15h45m30.0 21001'59" (B1950) 15h47m42.4s 20°52'49" (J2000)

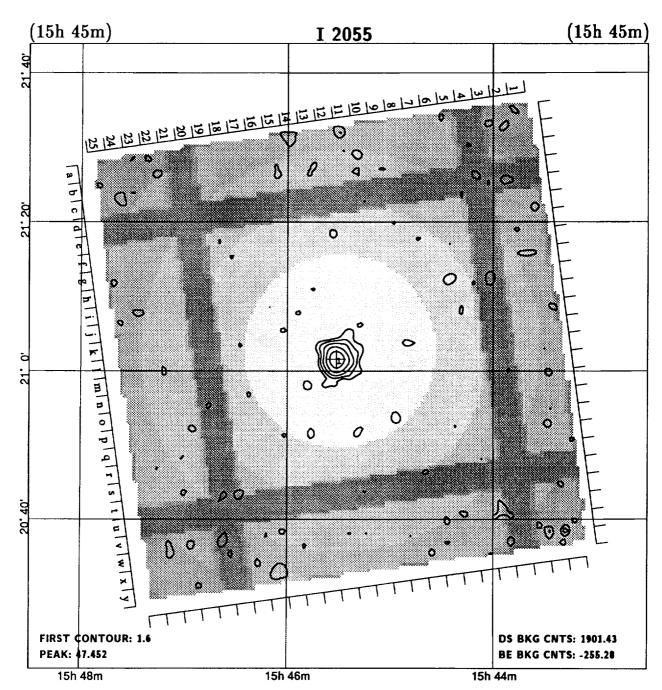
ℓ: 33.91 b: 49.46

DATE: 1979/225 - 1979/225 LIVETIME: 1912.3

ROLL ANGLE: 75.1°

NH: 4.3E+20 REF/ID: FIELD FLAGS: C

CAT	FLD	RA	DEC	±	COUNT	±	NET	BKG	S/N	SIZE	RECO	R'	SRC	ID
#	#	(1950)	(1950)	"	RATE		CTS	CTS		COR			FLG	
3500	1	15 45 31.2	21 01 36	31	0.191	0.012	271.2	6.8	16.3	1.3	0	0.6	AH	•



X-RAY STUDY OF QUASARS: 3C323.1=4C21.45

FIELD CENTER: 15^h45^m30.0^s 21°01'59" (B1950) 15^h47^m42.4^s 20°52'49" (J2000)

l: 33.91 b: 49.46

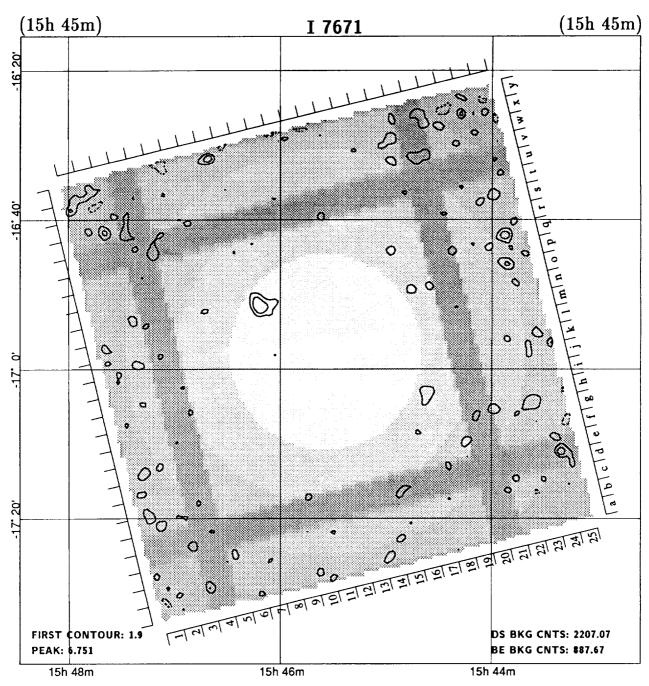
DATE: 1979/242 - 1979/242 LIVETIME: 1540.8s

ROLL ANGLE: 82.2°

NH: 4.3E+20 REF/ID:

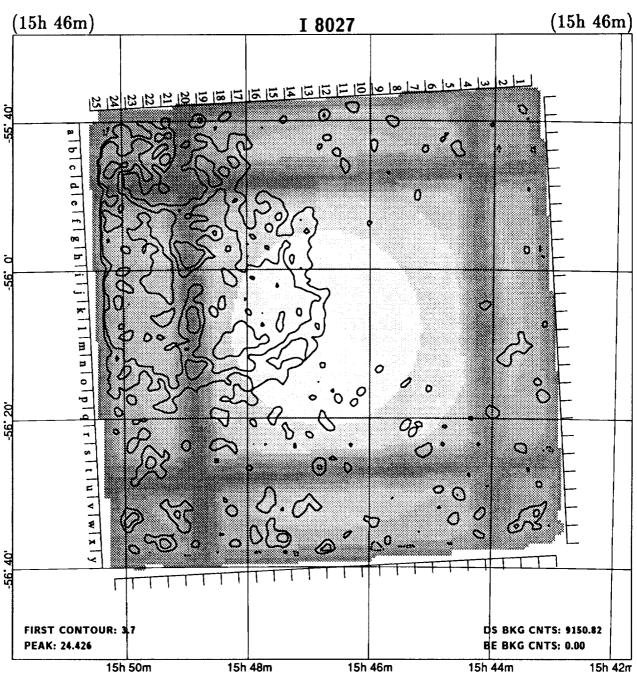
FIELD FLAGS: C

CAT	FLD	RA	DEC	±	COUNT	±	NET	BKG	S/N	SIZE	RECO	R'	SRC	ID
#	#	(1950)	(1950)	"	RATE		CTS	CTS		COR			FLG	
3500	1	15 45 31.3	21 01 34	31	0.164	0.012	187.1	3.9	13.5	1.4	0	0.6	AH	•



H1543-16, POSITION 2

FIELD CENTER: $15^h 45^m 32.0^s$ $-16^o 57' 29''$ (B1950) $15^h 48^m 22.9^s$ $-17^o 06' 39''$ (J2000) ℓ : 352.20 b: 28.38 DATE: 1981/ 32 - 1981/ 32 LIVETIME: 1788.5s ROLL ANGLE: -103.6° NH: 9.2E+20 REF/ID: FIELD FLAGS: L



G326.3+1.8,POS 3

FIELD CENTER: 15h46m46.0 -56010'29" (B1950) 15^h50^m43.8* -56°19'32" (J2000)

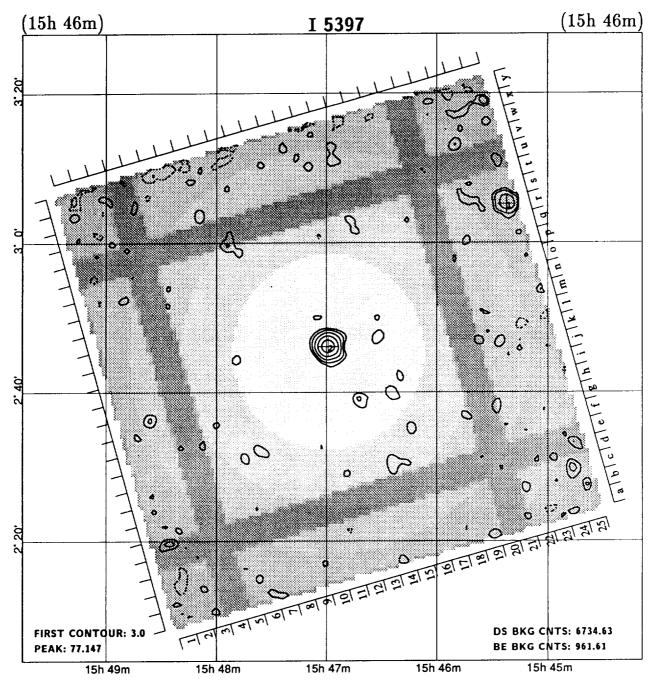
ℓ: 325.95 b: -1.69

DATE: 1980/227 - 1980/228 LIVETIME: 7415.2s

ROLL ANGLE: 87.0°

REF/ID: FIELD FLAGS: LS

NH: 1.5E+21



PKS 1546+027,QSO'S WITH RADIO FLAT SPECTRUM (C.S.)

FIELD CENTER: 15^h46^m57.2^s 02°45′53" (B1950) 15^h49^m28.3^s 02°36′48" (J2000)

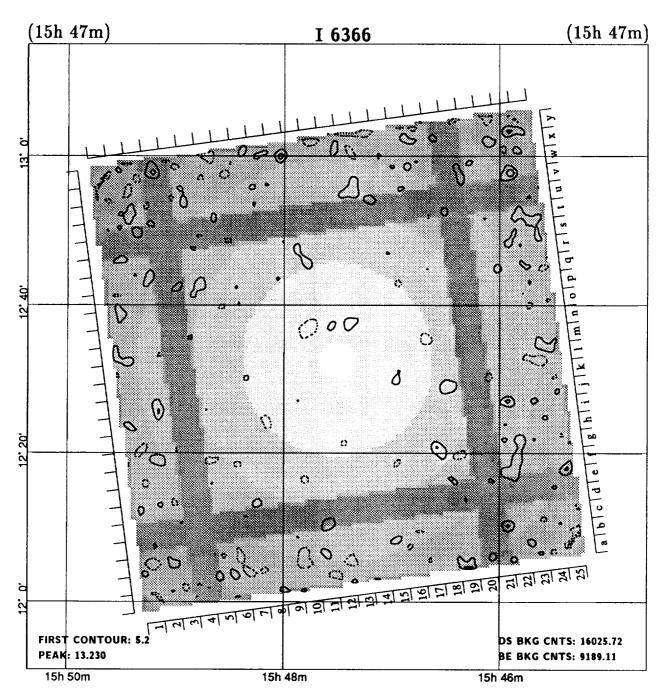
ℓ: 10.84 b: 40.91

DATE: 1980/ 39 - 1980/ 39 LIVETIME: 5457.3s

ROLL ANGLE: -105.6°

NH: 6.1E+20 REF/ID: FIELD FLAGS:

CAT	FLD	RA	DEC	±	COUNT	±	NET	BKG	S/N	SIZE	RECO	R'	\$RC	ID
#	#	(1950)	(1950)	"	RATE		CTS	CTS		COR			FLG	
3499	1	15 45 22.2	03 05 09	51	0.0244	0.0042	43.5	11.5	5.9	1.0	300	30.5	Н	
3504	2	15 46 59.2	02 46 04	31	0.0772	0.0045	313.5	18.5	17.2	1.2	0	0.8	н	Q



I 1141, EMISSION LINE GALAXY SURVEY

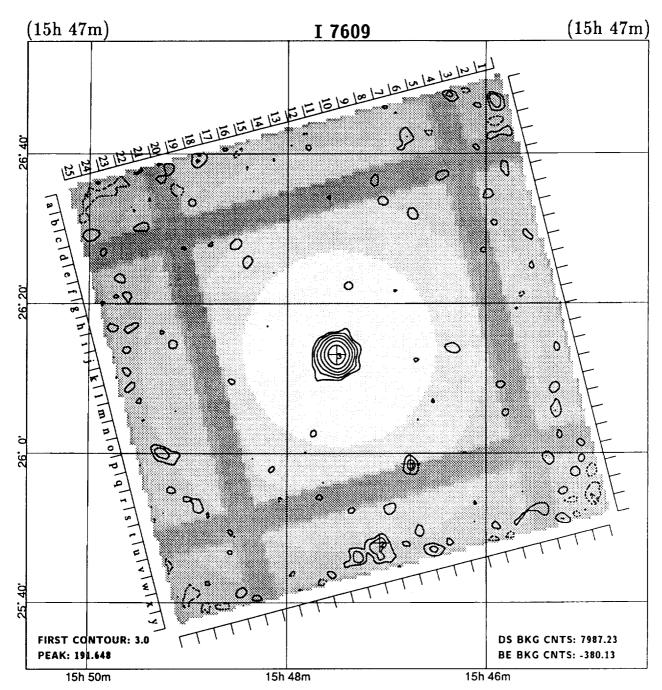
FIELD CENTER: 15^h47^m30.0^s 12°32′59" (B1950) 15^h49^m51.3^s 12°23′56" (J2000)

ℓ: 22.52 *b*: 45.79

DATE: 1981/ 54 - 1981/ 54 LIVETIME: 12986.1s

ROLL ANGLE: -97.5°

NH: 3.6E+20 REF/ID: FIELD FLAGS: L



HD 141714, SELECTED LATE-TYPE STARS W/CHROMOSPHERIC ACTIVITY

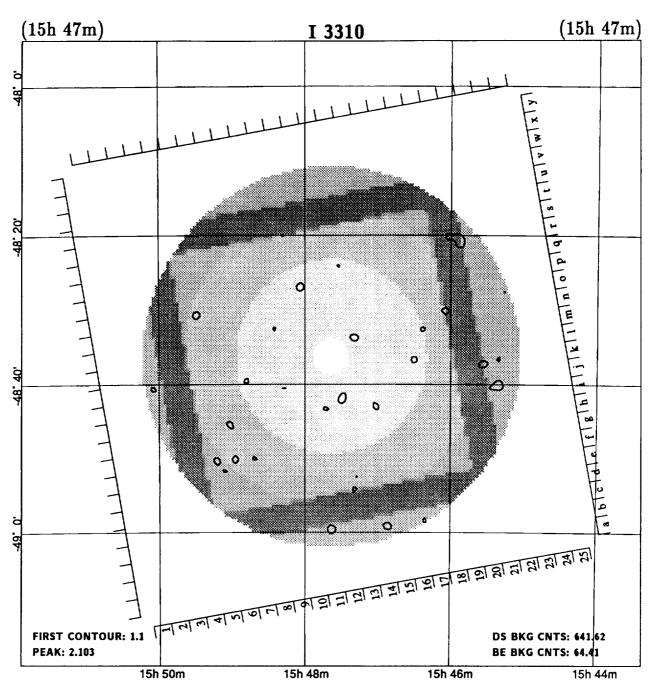
FIELD CENTER: 15^h47^m30.0^s 26°13'11" (B1950) 15^h49^m36.2^s 26°04'08" (J2000) ℓ: 41.88 b: 50.37

2000) LIVETIME: 6472.3s ROLL ANGLE: 75.6°

DATE: 1980/226 - 1980/227

NH: 4.1E+20 REF/ID: FIELD FLAGS:

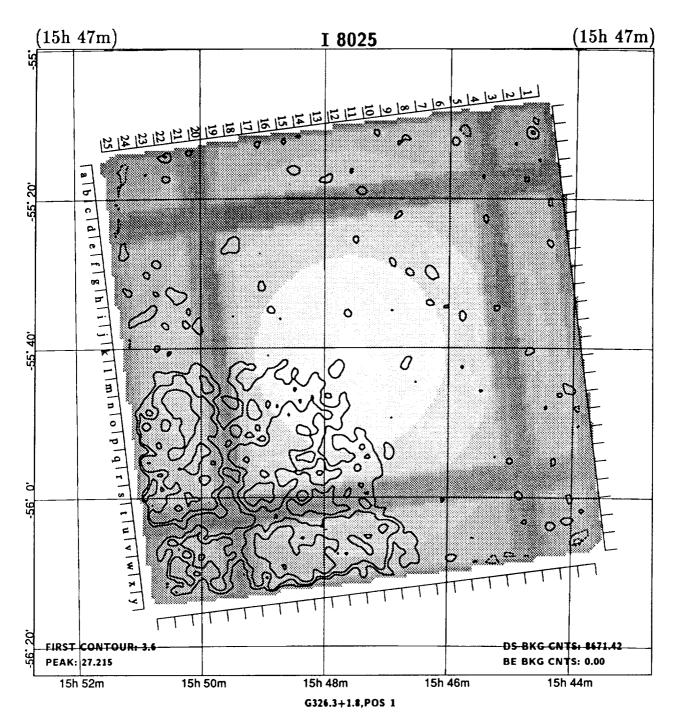
CAT	FLD	RA	DEC	±	COUNT	±	NET	BKG	S/N	SIZE	RECO	R'	SRC	ID
#	#	(1950)	(1950)	"	RATE		CTS	CTS		COR			FLG	
3502	1	15 46 45.5	25 58 35	55	*0.0064	0.0017	22.5	12.5	3.8	0.6	906	17.9	Н	
3506	2	15 47 04.0	25 48 01	55	0.0093	0.0024	24.3	13.7	3.9	1.9	0	26.5	н	
3507	3	15 47 30.1	26 13 13	31	0.1820	0.0062	876.3	18.7	29.3	1.4	0	0.2	н	



SYMBIOTIC STARS: HD 330036

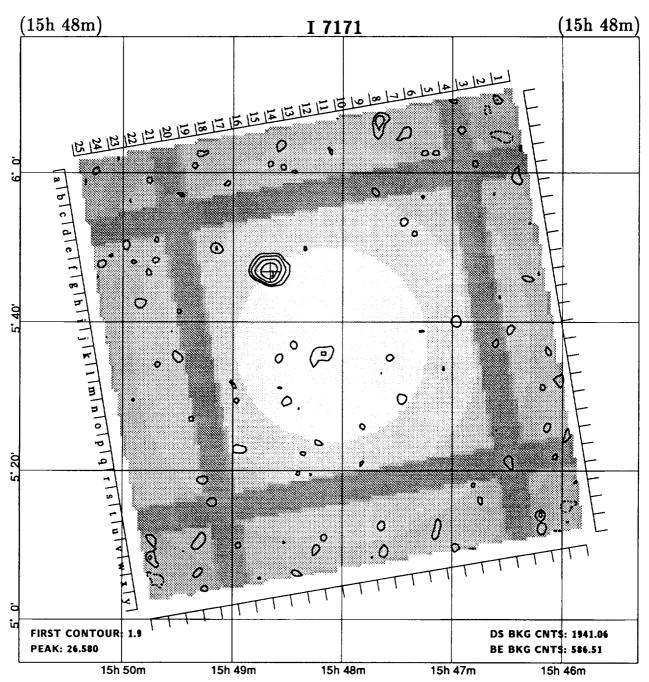
FIELD CENTER: $15^h47^m38.0^s$ -48°35'53" (B1950) $15^h51^m15.7^s$ -48°44'54" (J2000) ℓ : 330.78 b: 4.15

DATE: 1980/ 50 - 1980/ 50 LIVETIME: 519.9₆ ROLL ANGLE: -100.2° NH: 1.5E+21 REF/ID: S FIELD FLAGS:



FIELD CENTER: $15^h47^m42.0^s$ -55°41′59″ (B1950) $15^h51^m38.5^s$ -55°50′59″ (J2000) ℓ : 326.35 b: -1.40

DATE: 1980/229 - 1980/229 LIVETIME: 7026.7s ROLL ANGLE: 82.9° NH: 1.6E+21 REF/ID: FIELD FLAGS: LS



DW 1548+05, BURSTING RADIO SOURCE

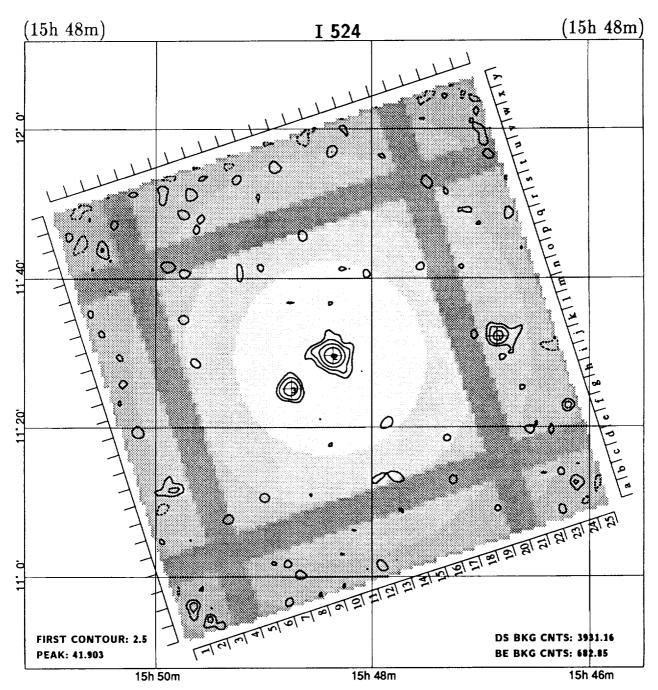
FIELD CENTER: $15^{h}48^{m}07.0^{s}$ $05^{o}36'10''$ (B1950) $15^{h}50^{m}35.3^{s}$ $05^{o}27'10''$ (J2000) ℓ : 14.22 b: 42.23

DATE: 1980/239 - 1980/239 LIVETIME: 1572.9s

ROLL ANGLE: 80.4°

NH: 4.2E+20 REF/ID: FIELD FLAGS:

CAT	FLD	RA	DEC	±	COUNT	±	NET	BKG	S/N	SIZE	RECO	R'	SRC	ID
#	#	(1950)	(1950)	"	RATE		CTS	CTS		COR			FLG	
3509	1	15 48 39.7	05 46 45	38	0.095	0.010	93.2	5.8	9.4	1.3	0	13.5	Н	

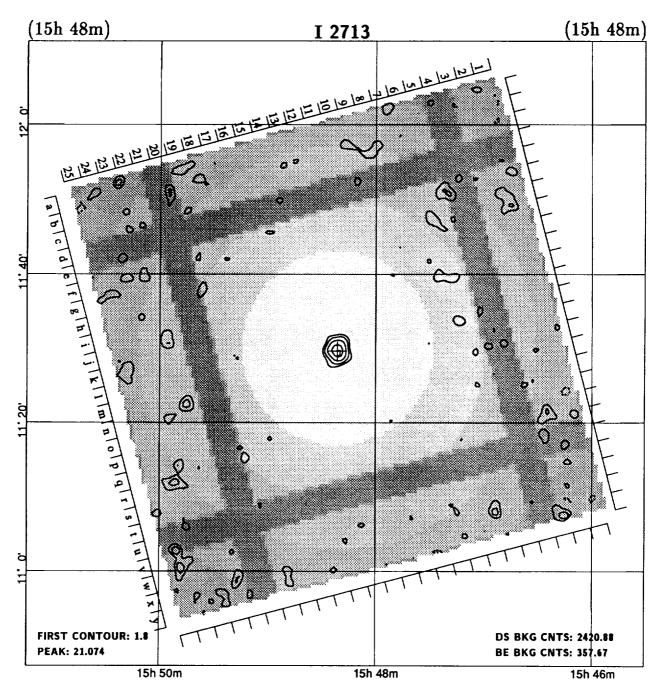


4C 11.5A/B (QSO 1548+114) QUASAR SURVEY

FIELD CENTER: $15^{h}48^{m}21.4^{s}$ $11^{o}29'47''$ (B1950) $15^{h}50^{m}43.8^{s}$ $11^{o}20'47''$ (J2000) ℓ : 21.32 δ : 45.12

DATE: 1979/ 35 - 1979/ 35 LIVETIME: 3185.6s ROLL ANGLE: -107.8° NH: 3.6E+20 REF/ID: FIELD FLAGS:

CAT	FLD	RA	DEC	±	COUNT	±	NET	BKG	S/N	SIZE	RECO	R'	SRC	ID
#	#	(1950)	(1950)	"	RATE		CTS	CTS		COR			FLG	
3503	1	15 46 50.7	11 32 13	51	0.0232	0.0044	34.4	8.6	5.3	1.1	0	22.4		
3508	2	15 48 21.7	11 29 41	31	0.0726	0.0057	172.5	11.5	12.7	1.4	0	0.2	AH	Q
3510	3	15 48 44.7	11 25 15	41	0.0284	0.0039	63.2	11.8	7.3	1.1	0	7.2	н	•

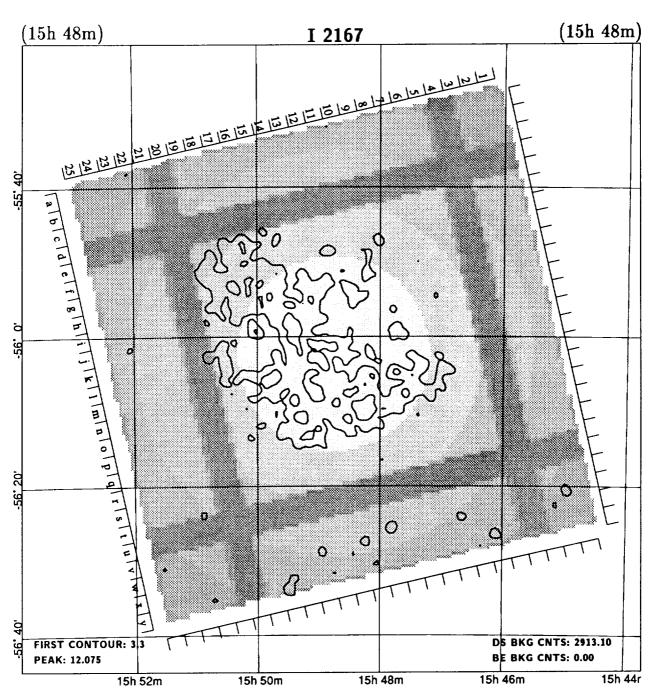


QUASAR SURVEY: 4C11.50

FIELD CENTER: $15^h 48^m 22.0^s$ $11^o 29' 17''$ (B1950) $15^h 50^m 44.4^s$ $11^o 20' 17''$ (J2000) ℓ : 21.31 b: 45.12

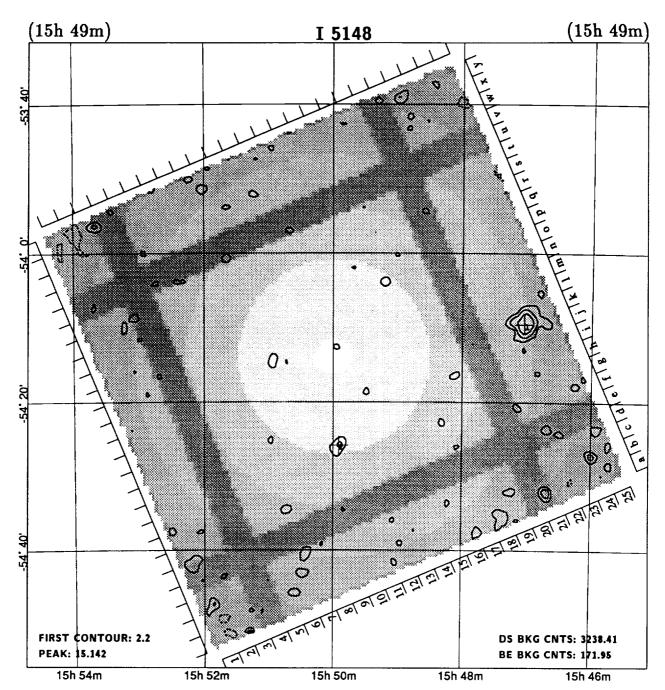
DATE: 1979/226 - 1979/226 LIVETIME: 1961.7s ROLL ANGLE: 75.3° NH: 3.6E+20 REF/ID: FIELD FLAGS:

CAT	FLD	RA	DEC	±	COUNT	±	NET	BKG	S/N	SIZE	RECO	R'	SRC	ID
#	#	(1950)	(1950)		RATE		CTS	CTS		COR			FLG	
3508	1	15 48 21.4	11 29 40	32	0.0561	0.0064	82.1	6.9	8.7	1.1	0	0.4	AH	Q



X-RAY STUDY OF SUPERNOVA REMNANTS: G326.3-1.8=MSH15-56=MHR44

FIELD CENTER: $15^{h}48^{m}48.0^{s}$ -56°02′59″ (B1950) $15^{h}52^{m}45.9^{s}$ -56°11′55″ (J2000) ℓ : 326.25 b: -1.77 DATE: 1979/239 - 1979/239 LIVETIME: 2360.6s ROLL ANGLE: 77.3° NH: 1.5E+21 REF/ID: FIELD FLAGS: L



RADIO SOURCES NEAR COS-B GAMMA SOURCES #3

FIELD CENTER: 15^h49^m55.2^s -54°13'47" (B1950) 15^h53^m47.8^s -54°22'39" (J2000)

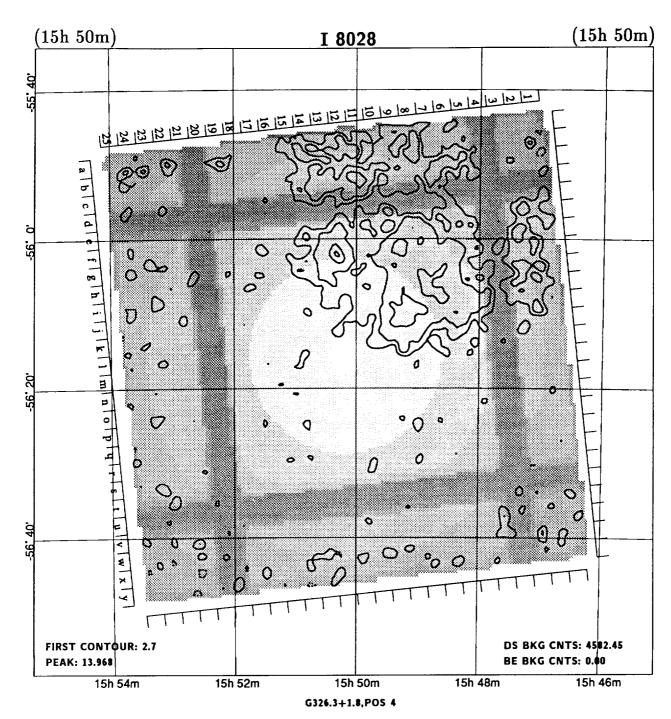
ℓ: 327.52 b: -0.45

DATE: 1980/ 72 - 1980/ 72 LIVETIME: 2718.4s

ROLL ANGLE: -112.9°

NH: 1.6E+21 REF/ID: FIELD FLAGS:

CAT FLD RA DEC COUNT \pm ± NET BKG S/N SIZE RECO R' SRC ID (1950)(1950) RATE CTS CTS COR FLG 3505 15 47 02.7 -54 09 32 51 0.0326 0.0058 5.6 1.4 0 25.6 Α 3514 2 15 49 54.8 -54 25 53 0.0105 0.0029 18.2 7.8 0.7 3.6 0 12.1



FIELD CENTER: 15h50m13.0s -56°16'29" (B1950) 15^h54^m11.9^s -56°25'20" (J2000)

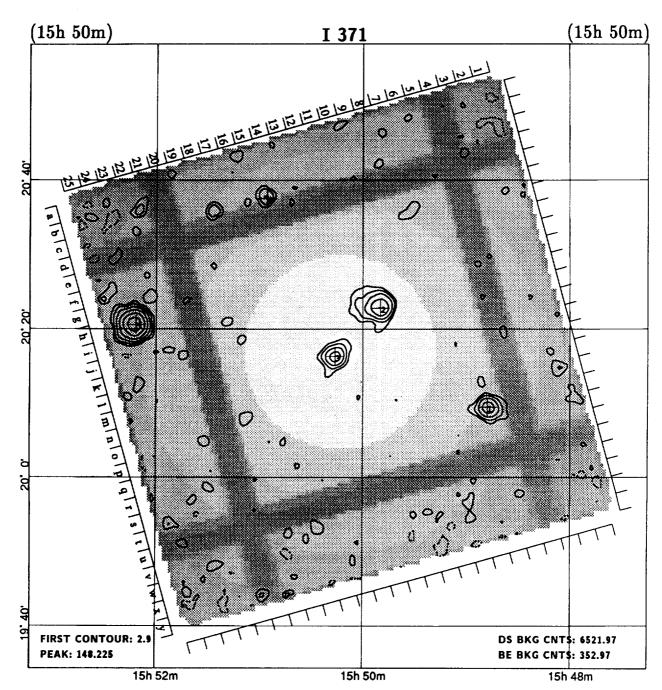
ℓ: 326.26 b: -2.07

DATE: 1980/228 - 1980/228 LIVETIME: 3713.3e

ROLL ANGLE: \$4.1°

NH: 1.5E+21 REF/ID:

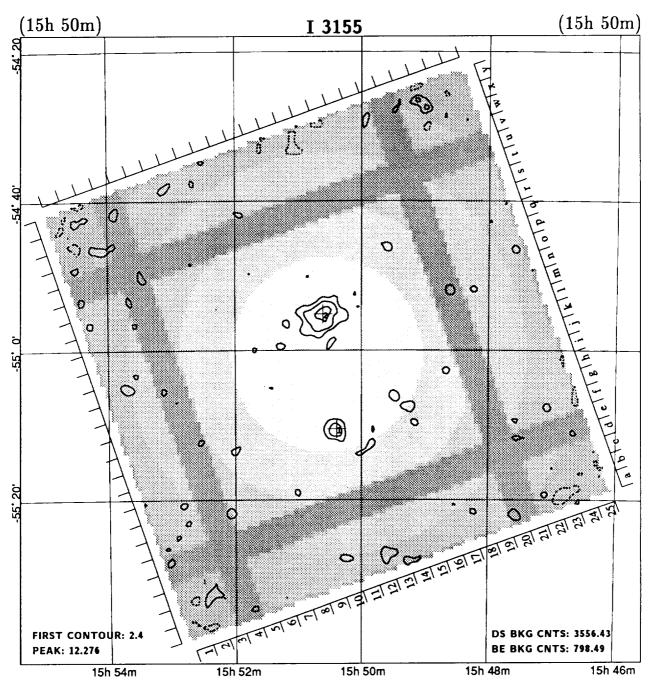
FIELD FLAGS: LS



3C 326, GIANT RADIO GALAXY

FIELD CENTER: 15^h50^m13.8° 20°16'17" (B1950) 15^h52^m26.7° 20°07'24" (J2000) \$\ell\$: 33.34 \quad b: 48.17 DATE: 1979/226 - 1980/224 LIVETIME: 5284.9s ROLL ANGLE: 74.5° NH: 3.9E+20 REF/ID: FIELD FLAGS:

CAT	FLD	RA	DEC	±	COUNT	±	NET	BKG	S/N	SIZE	RECO	R'	SRC	ID
#	#	(1950)	(1950)	"	RATE		стѕ	CTS		COR			FLG	
3511	1	15 48 47.7	20 09 29	48	0.0355	0.0039	92.0	10.0	9.1	1.1	100	21.3	Н	
3513	2	15 49 49.8	20 22 50	38	0.0483	0.0038	175.1	16.9	12.6	1.5	0	8.5	н	•
3515	3	15 50 16.2	20 16 19	31	0.0320	0.0031	125.9	18.1	10.5	1.1	0	0.7	н	
3518	4	15 50 56.0	20 37 33	52	*0.0118	0.0025	28.6	9.4	4.6	0.8	804	23.6	н	
3523	5	15 52 11.7	20 20 34	47	0.1532	0.0089	307.5	9.5	17.3	1.3	0	28.2	н	



SNR NEAR COS-B GAMMA RAY SOURCES

FIELD CENTER: 15^h50^m30.0^s -54°59′59″ (B1950) 15^h54^m25.0^s -55°08′49″ (J2000)

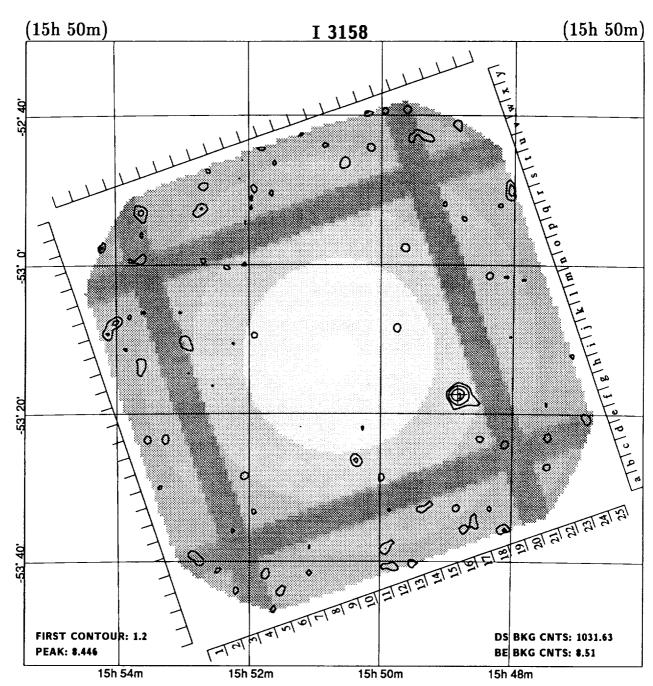
ℓ: 327.10 b: -1.10

DATE: 1979/ 66 - 1979/ 66 LIVETIME: 2881.9s

ROLL ANGLE: -109.3°

NH: 1.6E+21 REF/ID: SNR FIELD FLAGS:

CAT	FLD	RA	DEC	±	COUNT	±	NET	BKG	S/N	SIZE	RECO	R'	SRC	ID
#	#	(1950)	(1950)	"	RATE		CTS	CTS		COR			FLG	
3516	1	15 50 23.6	-55 10 30	44	0.0145	0.0032	27.9	9.1	4.6	0.9	0	10.6		
3517	2	15 50 36.5	-54 55 08	41	0.0271	0.0040	55.5	11.5	6.8	1.9	0	5.1	н	

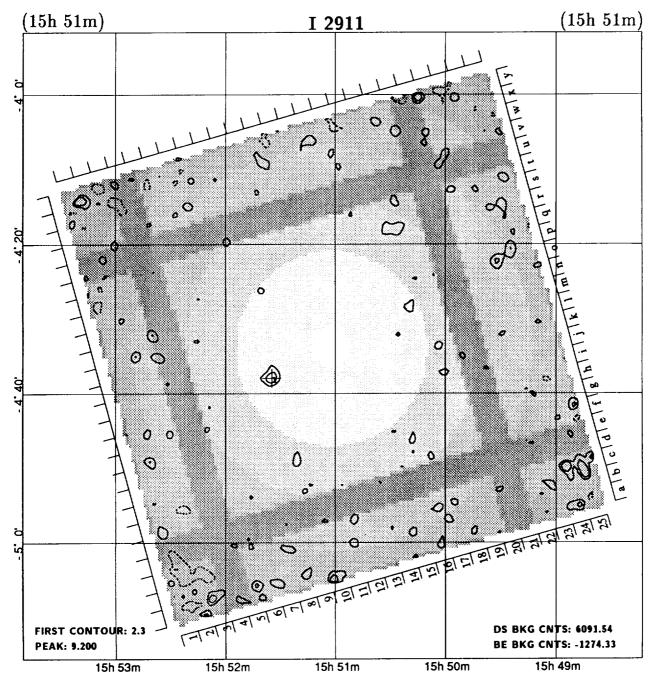


SNR NEAR COS-B GAMMA RAY SOURCES

FIELD CENTER: $15^h50^m42.0^s$ -53°11′59″ (B1950) $15^h54^m31.8^s$ -53°20′48″ (J2000) ℓ : 328.26 b: 0.27

DATE: 1979/ 57 - 1979/ 57 LIVETIME: 836.0s ROLL ANGLE: -109.1° NH: 1.5E+21 REF/ID: FIELD FLAGS:

CAT	FLD	RA	DEC	±	COUNT	±	NET	BKG	S/N	SIZE	RECO	R'	SRC	ID
#	#	(1950)	(1950)	"	RATE		CTS	CTS		COR			FLG	
3512	1	15 48 49.8	-53 17 17	51	0.047	0.010	22.2	1.8	4.5	1.1	0	17.2	AH	*



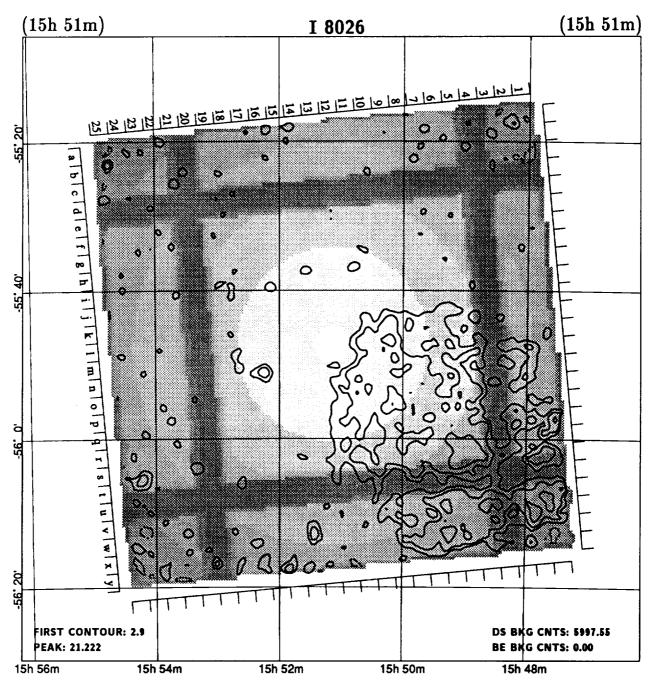
DUST GLOBULES AND MOLECULAR CLOUDS: L134

FIELD CENTER: $15^h 51^m 02.0^s -04^\circ 33' 35''$ (B1950) $15^h 53^m 40.3^s -04^\circ 42' 25''$ (J2000) ℓ : 4.13 b: 35.71 DATE: 1979/ 36 - 1979/ 36 LIVETIME: 4936.2s

ROLL ANGLE: -105.5°

NH: 9.6E+20 REF/ID: FIELD FLAGS:

CAT	FLD	RA	DEC	±	COUNT	±	NET	BKG	S/N	SIZE	RECO	R'	SRC	Œ
#	#	(1950)	(1950)	"	RATE		CTS	CTS		COR			FLG	
3520	1	15 51 34.8	-04 37 55	43	0.0068	0.0017	22.5	11.5	3.9	0.7	0	9.5		



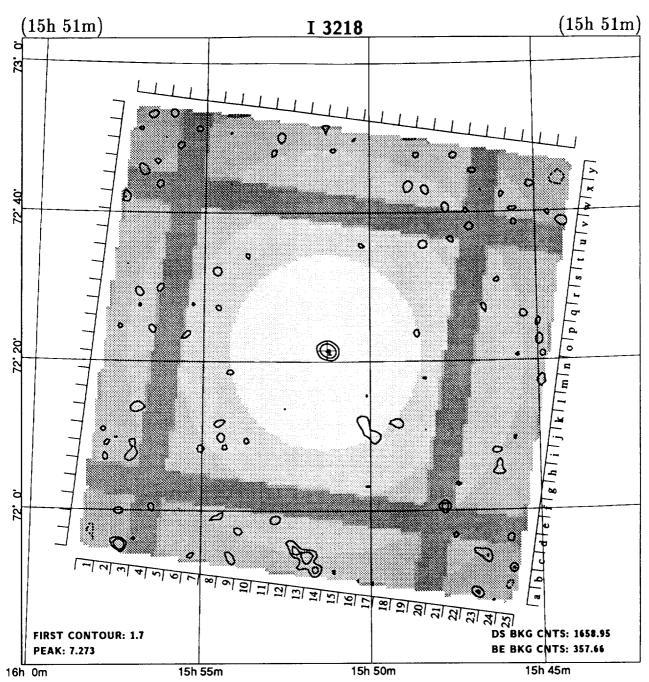
G326.3+1.8,POS 2

FIELD CENTER: 15h51m09.0* -55047'59" (B1950) 15h55m06.6* -55°56'46" (J2000)

ℓ: 326.66 b: -1.78

DATE: 1980/227 - 1980/227 LIVETIME: 4860.0s ROLL ANGLE: 84.7°

NH: 1.5E+21 REF/ID: FIELD FLAGS: LS



RS CVN SYSTEMS: RS UMI

FIELD CENTER: 15^h51^m12.0^s 72°21'35" (B1950) 15^h50^m48.8^s 72°12'41" (J2000)

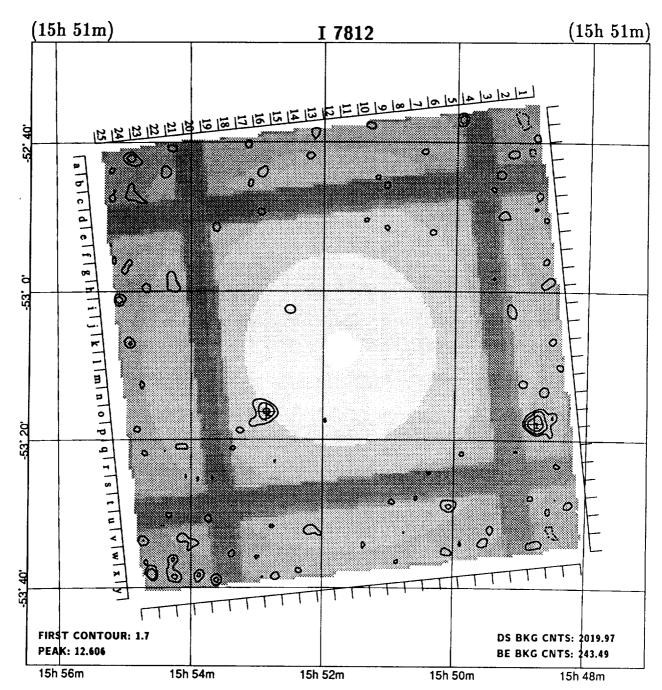
ℓ: 106.88 b: 38.83

DATE: 1979/ 57 - 1979/ 57 LIVETIME: 1344.3s

ROLL ANGLE: -82.5°

NH: 2.8E+20 REF/ID: ! FIELD FLAGS:

CAT	FLD	RA	DEC	±	COUNT	±	NET	BKG	S/N	SIZE	RECO	R'	SRC	ID
#	#	(1950)	(1950)	"	RATE		CTS	CTS		COR			FLG	
3519	1	15 51 17.4	72 21 30	36	0.0247	0.0055	24.7	5.3	4.5	0.9	0	0.4	Н	cv



G328.4+0.2, CRAB-LIKE SNR'S

FIELD CENTER: 15h51m46.0 -5308'35" (B1950) 15h55m35.9s -53°17'20" (J2000)

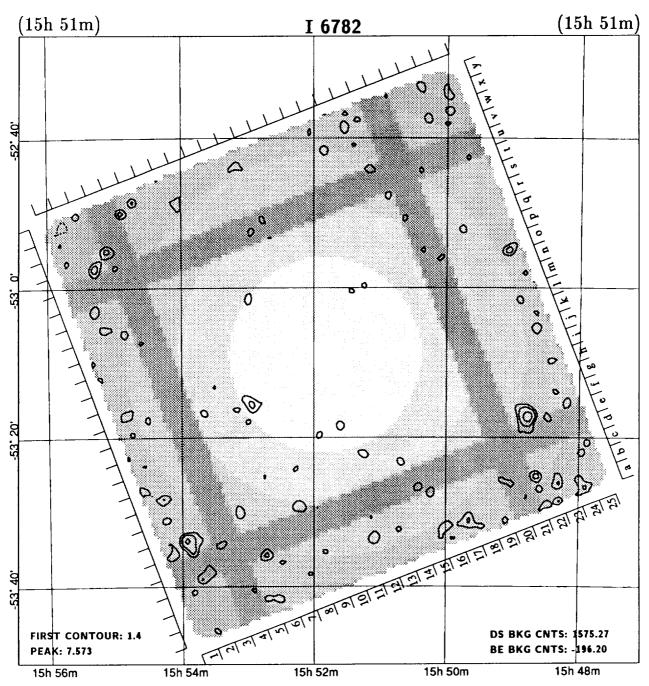
ℓ: 328.42 b: 0.22

DATE: 1980/227 - 1980/228 LIVETIME: 1636.8s

ROLL ANGLE: 83.8°

NH: 1.5E+21 REF/ID: SNR FIELD FLAGS:

CAT	FLD	RA	DEC	±	COUNT	±	NET	BKG	S/N	SIZE	RECO	R'	SRC	ID
#	#	(1950)	(1950)	"	RATE		CTS	CTS		COR			FLG	
3512	1	15 48 47.3	-53 17 42	51	0.0411	0.0087	25.5	3.5	4.7	1.1	500	28.1	AH	*
3525	2	15 52 51.6	-53 16 14	42	0.0240	0.0053	24.4	4.6	4.5	1.0	0	12.3	н	*



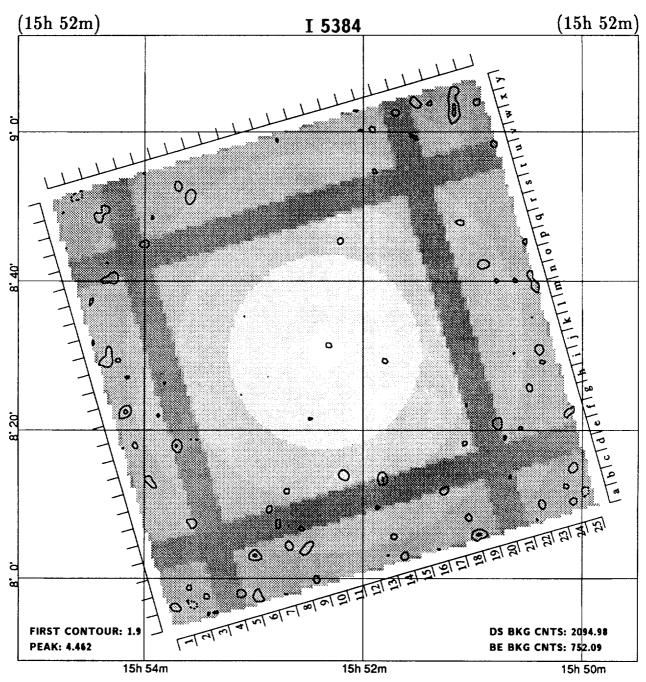
SNR SURVEY: G328.4+0.2, MSH 15-57

FIELD CENTER: 15^h51^m47.0^s -53°08'23" (B1950) 15^h55^m36.9^s -53°17′08″ (J2000)

ℓ: 328.42 *b*: 0.22

DATE: 1980/ 70 - 1980/ 70 LIVETIME: 1276.5s ROLL ANGLE: -110.9°

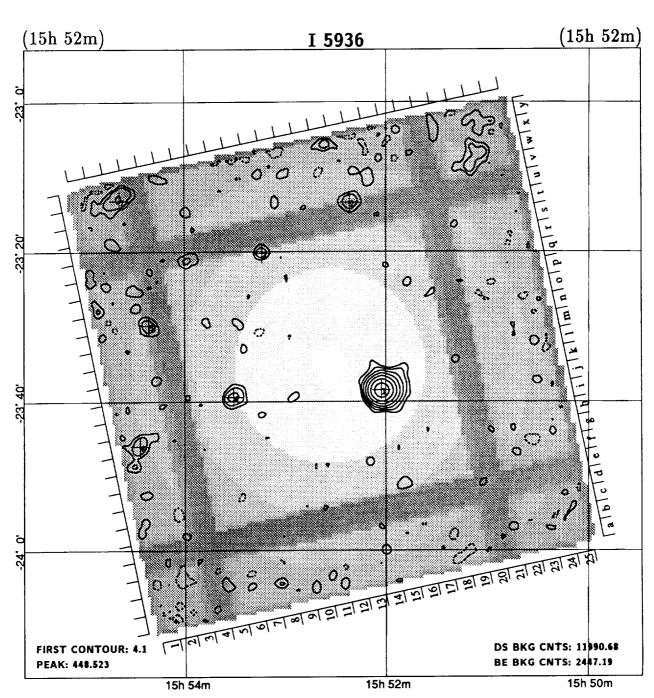
NH: 1.5E+21 REF/ID: SNR FIELD FLAGS:



SURVEY OF BRIGHT QUASARS (PG)

FIELD CENTER: 15^h52^m19.1^s 08°31'01" (B1950) 15^h54^m44.4^s 08°22'16" (J2000) £: 18.33 b: 42.84 DATE: 1980/ 39 - 1980/ 39 LIVETIME: 1697.6s ROLL ANGLE: -106.1°

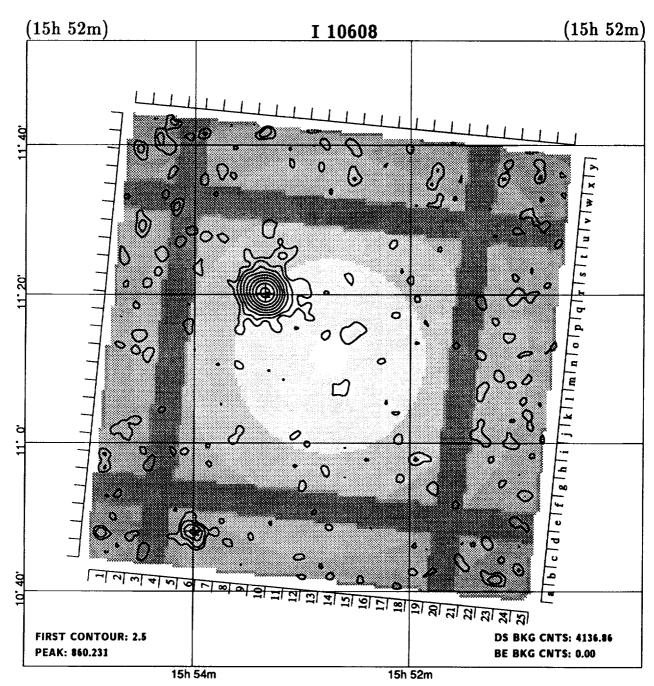
NH: 3.4E+20 REF/ID: FIELD FLAGS: L



RADIO PULSAR PROJECT:

FIELD CENTER: 15^h52^m32.0^s -23°34′59″ (B1950) 15^h55^m30.7^s -23°43′43″ (J2000) ℓ: 348.40 b: 22.48 DATE: 1980/ 42 - 1980/ 43 LIVETIME: 9716.4s ROLL ANGLE: -101.7° NH: 1.1E+21 REF/ID: FIELD FLAGS:

CAT	FLD	RA	DEC	±	COUNT	±	NET	BKG	S/N	SIZE	RECO	R'	SRC	ID
#	#	(1950)	(1950)	"	RATE		CTS	CTS		COR			FLG	
3521	1	15 52 02.6	-23 38 29	37	0.2545	0.0062	1707.9	36.1	40.9	1.2	0	7.3	Н	
3524	2	15 52 21.5	-23 13 24	54	*0.0084	0.0016	39.2	14.8	5.3	0.8	806	21.9	н	
3528	3	15 53 13.7	-23 20 13	52	*0.0059	0.0014	31.2	26.8	4.1	0.6	804	17.6		
3530	4	15 53 30.8	-23 39 24	41	0.0120	0.0017	71.4	30.6	7.1	0.9	0	13.8		
3534	5	15 54 21.2	-23 29 50	55	*0.0070	0.0017	28.8	21.2	4.1	0.8	1006	25.7		
3535	6	15 54 26.5	-23 46 01	56	0.0087	0.0020	32.4	21.6	4.4	1.2	0	28.4		
3536	7	15 54 38.3	-23 13 11	62	*0.0099	0.0027	23.8	18.2	3.7	1.5	906	36.2	Н	



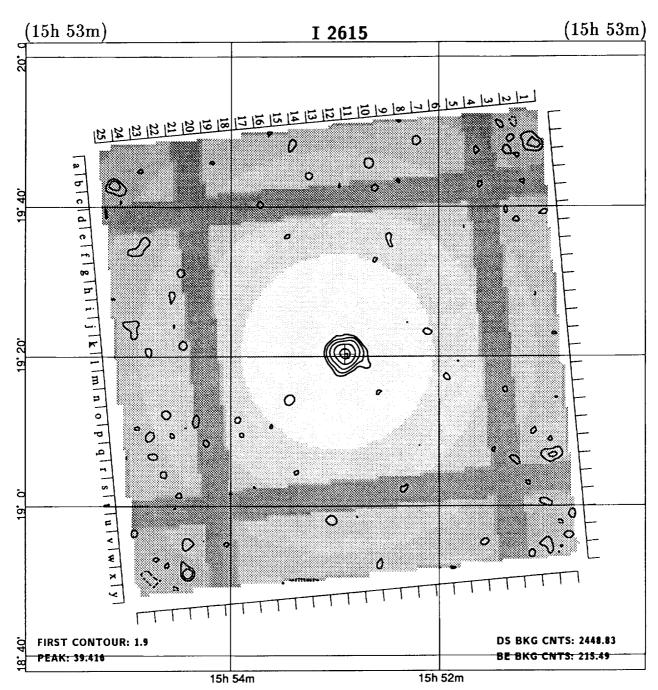
ZWICKY CLUSTER 383

FIELD CENTER: 15^h52^m42.0° 11°11′59" (81950) 15^h55^m04.5^s 11°03'15" (J2000)

DATE: 1981/ 71 - 1981/ 71 LIVETIME: 3352.2s l: 21.64 b: 44.04 ROLL ANGLE: -84.6°

NH: 3.7E+20 REF/ID: FIELD FLAGS: L

CA.	T FLD	RA (1050)	DEC	±	COUNT	±			S/N	SIZE	RECO	R'		ID
#	#	(1950)	(1950)		RATE		CT\$	CTS		COR			FLG	
352	9 1L	15 53 20.8	11 20 12	37	1.274	0.029	2706.7	226.3	44.3	1.3	0	12.6		
353	3 2L	15 53 59.0	10 48 09	51	0.0291	0.0066	34.6	10.4	4.3	1.3	0	30.3		



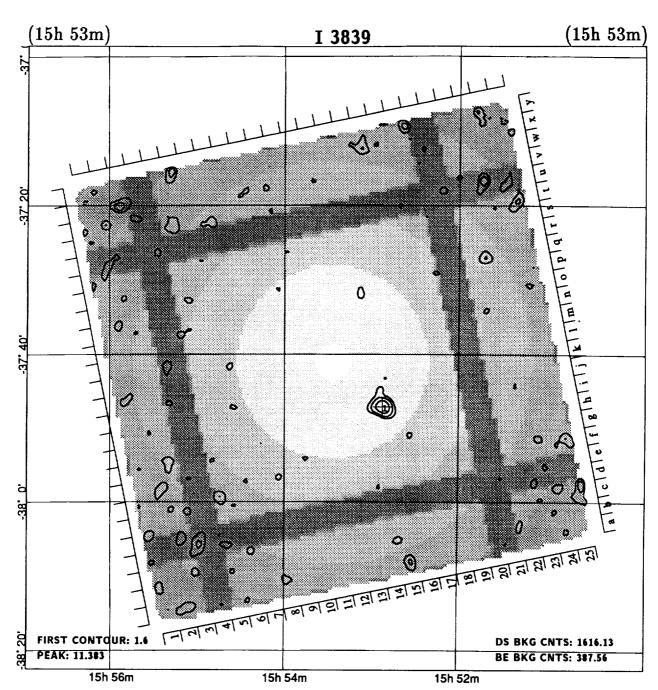
SEYFERT GALAXY SURVEY: MKN 291

FIELD CENTER: 15^h53^m00.0^s 19^o19'59" (B1950) 15^h55^m13.8^s 19^o11'16" (J2000)

15^h55^m13.8^s 19°11'16" (J2000) LIVETIME: 1984.4a ℓ: 32.35 b: 47.25 ROLL ANGLE: 84.8°

DATE: 1979/226 - 1979/226 LIVETIME: 1984.46 NH: 3.5E+20 REF/ID: FIELD FLAGS:

CAT	FLD	RA	DEC	±	COUNT	±	NET	BKG	S/N	SIZE	RECO	R'	SRC	ID
#	#	(1950)	(1950)	"	RATE		стѕ	CTS		COR			FLG	
3527	1	15 52 54.2	19 20 18	31	0.1164	0.0090	171.8	6.2	12.9	1.4	0	1.4	Н	SY



T TAURI STARS: RU LUP

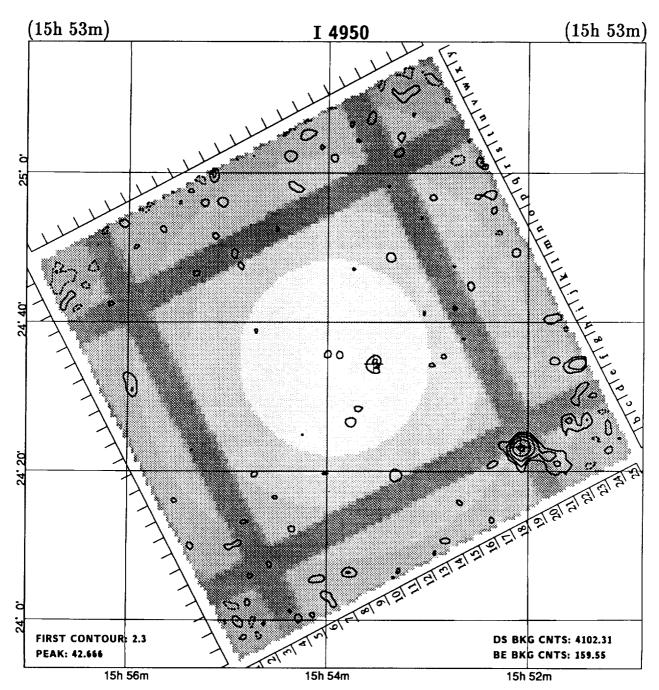
FIELD CENTER: 15h53m24.2s -37°40'40" (B1950) 15h56m42.2s -37°49'20" (J2000)

ℓ: 338.65 b: 11.88

DATE: 1980/ 51 - 1980/ 51 LIVETIME: 1309.6s ROLL ANGLE: -101.6°

NH: 1.6E+21 REF/ID: FIELD FLAGS:

CAT	FLD	RA	DEC	±	COUNT	±	NET	BKG	S/N	SIZE	RECO	R'	SRC	ID
#	#	(1950)	(1950)	"	RATE		CTS	CTS		COR			FLG	
3526	1	15 52 52.4	-37 47 08	41	0.0424	0.0074	37.6	5.4	5.7	1.0	0	8.9	Н	S

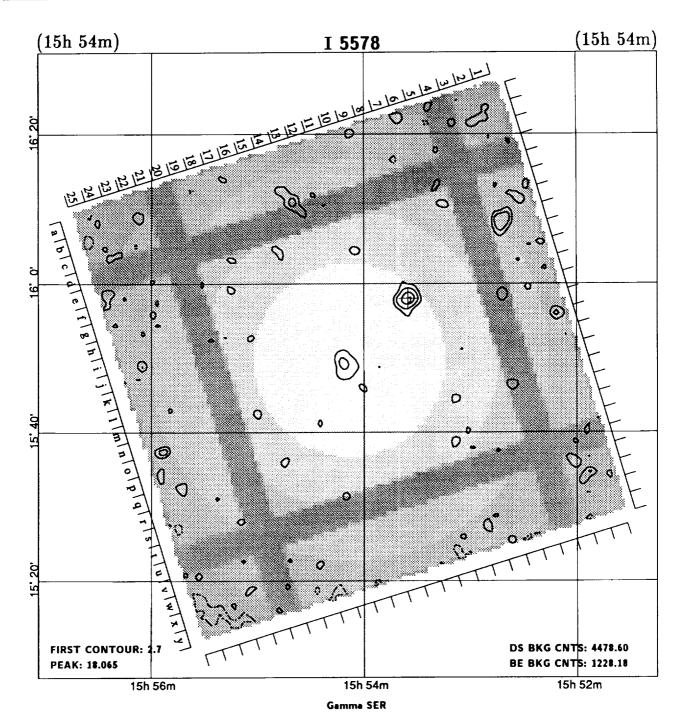


K475,INTERACTING GALAXIES WITH COMPACT RADIO NUCLEI

FIELD CENTER: $15^h 53^m 56.2^s$ $24^o 35' 32''$ (B1950) $15^h 56^m 03.9^s$ $24^o 26' 53''$ (J2000) ℓ : 39.95 b: 48.58

DATE: 1980/ 24 - 1980/ 24 LIVETIME: 3324.2s ROLL ANGLE: -117.6° NH: 4.6E+20 REF/ID: FIELD FLAGS:

CAT	FLD	RA	DEC	±	COUNT	±	NET	BKG	S/N	SIZE	RECO	R'	SRC	ID
#	#	(1950)	(1950)	"	RATE		CTS	CTS		COR			FLG	
3522	1	15 52 04.5	24 23 15	48	*0.0700	0.0076	89.0	4.0	9.2	1.4	1409	28.2		AGN
3531	2	15 53 32.3	24 34 23	47	0.0088	0.0024	20.7	10.3	3.7	0.6	0	5.5		



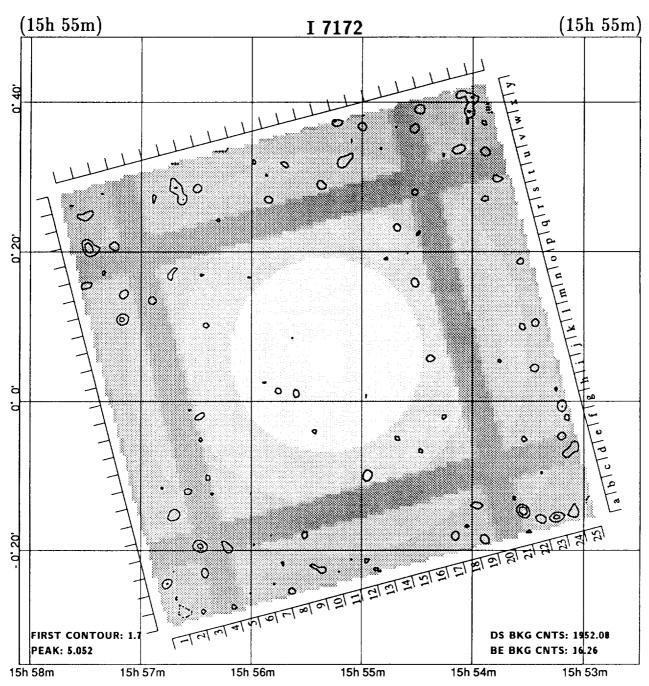
FIELD CENTER: 15^h54^m09.0^s 15^o48'59" (B1950) 15^h56^m26.6^s 15^o40'21" (J2000)

l: 27.74 *b*: 45.70

DATE: 1980/223 - 1980/224

LIVETIME: 3629.1s ROLL ANGLE: 73.0° NH: 3.2E+20 REF/ID: ! FIELD FLAGS: L

SRC FLD RA DEC COUNT NET BKG S/N SIZE **RECO** ID CAT ± ± COR CTS CTS FLG (1950)(1950)RATE # 48.4 3532 1L 15 53 35.1 15 58 03 41 0.0206 0.0042 20.6 4.8 1.0 0 12.1 AGN



DA 393, BURSTING RADIO SOURCE

FIELD CENTER: 15h55m17.7 00006'42" (B1950) 15^h57^m51.4^s -00°01'51" (J2000)

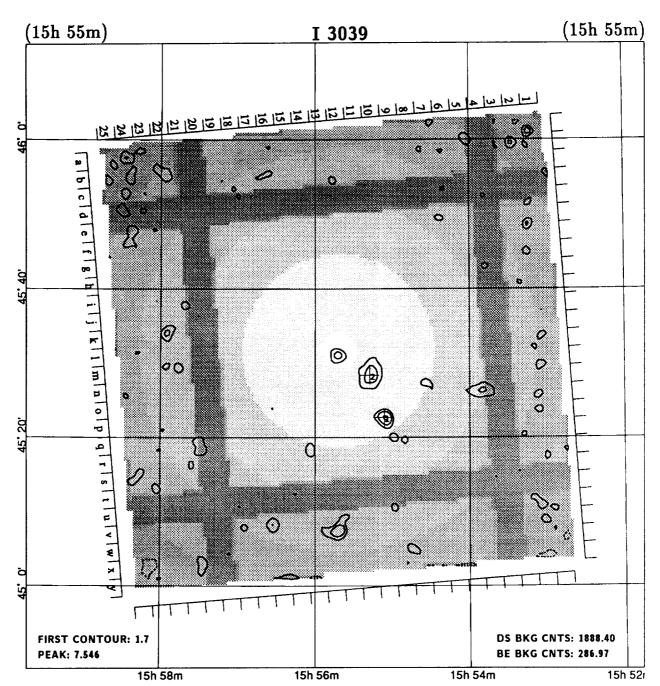
ℓ: 9.58 b: 37.68

DATE: 1980/ 41 - 1980/ 41 LIVETIME: 1581.8

ROLL ANGLE: -104.5°

NH: 7.0E+20 REF/ID:

FIELD FLAGS:

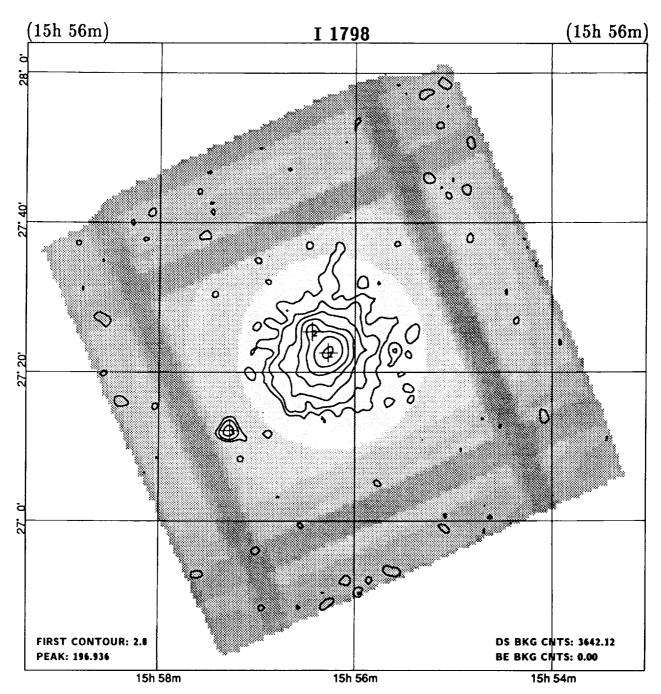


4C45.30: HIGH REDSHIFT CLUSTERS OF GALAXIES

FIELD CENTER: $15^h 55^m 44.0^s$ $45^o 30'59''$ (B1950) $15^h 57^m 19.5^s$ $45^o 22'25''$ (J2000) ℓ : 71.96 δ : 49.03

DATE: 1979/237 - 1979/237 LIVETIME: 1530.26 ROLL ANGLE: 85.5° NH: 1.4E+20 REF/ID: FIELD FLAGS:

CAT	FLD	RA	DEC	±	COUNT	±	NET	BKG	S/N	SIZE	RECO	R'	SRC	ID
#	#	(1950)	(1950)	"	RATE		CTS	CTS		COR			FLG	
3537	1	15 55 06.1	45 22 39	42	0.0215	0.0052	21.5	5.5	4.1	0.7	0	10.6	Н	
3538	2	15 55 17.4	45 28 27	39	0.0175	0.0046	19.1	5.9	3.8	1.2	0	4.8	Н	

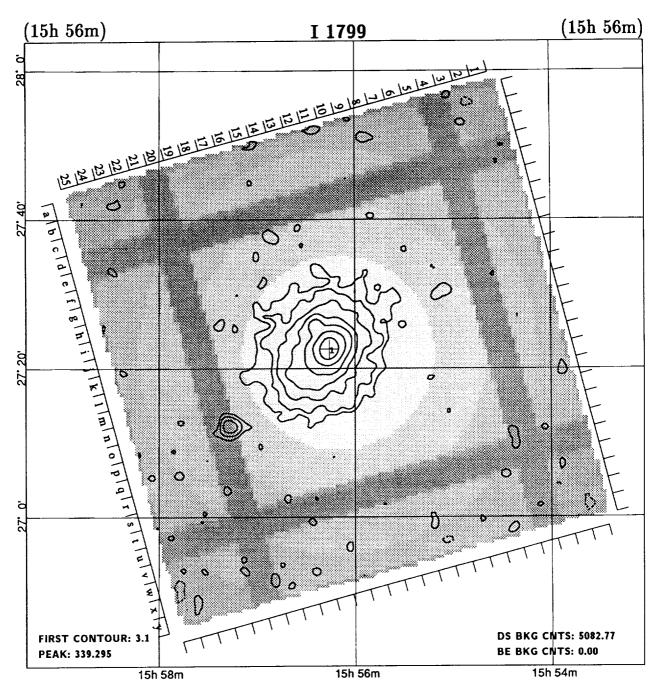


A2142: STUDY, CLUSTERS OF GALAXIES

FIELD CENTER: $15^h 56^m 12.0^s 27^o 21'59''$ (B1950) $15^h 58^m 16.1^s 27^o 13'28''$ (J2000) ℓ : 44.21 ℓ : 48.70

DATE: 1979/ 29 - 1979/ 29 LIVETIME: 2951.3e NH: 3.9E+20 REF/ID: FIELD FLAGS: CL

CAT	FLD	RA	DEC	±	COUNT	±	NET	BKG	S/N	SIZE	RECO	R'	SRC	ID
#	#	(1950)	(1950)	"	RATE		CTS	CTS		COR			FLG	
3541	1L	15 56 16.4	27 22 37	31	0.277	0.018	608.5	493.5	14.9	3.9	0	1.3	Α	CLG
3542	2L	15 56 26.2	27 25 25	31	0.047	0.010	102.0	191.0	4.6	13.6	0	4.8		•
3546	3L	15 57 16.6	27 12 10	50	0.0255	0.0051	41.9	10.1	4.9	1.0	100	17.5		AGN



A2142: STUDY, CLUSTERS OF GALAXIES

FIELD CENTER: 15^h56^m12.0^s 27°21′59" (B1950) 15^h58^m16.1^s 27°13′28" (J2000)

ℓ: 44.21 *b*: 48.70

DATE: 1979/227 - 1979/227 LIVETIME: 4118.7s

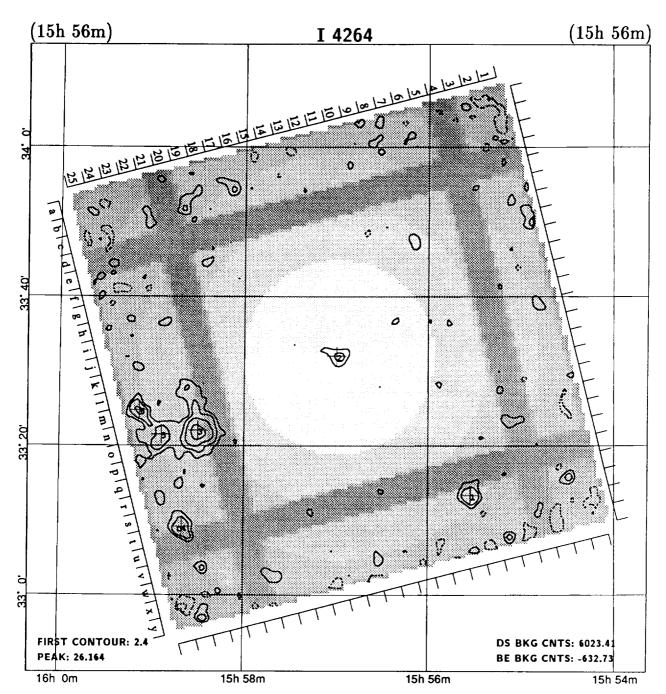
ROLL ANGLE: 75.0°

NH: 3.9E+20 REF/ID:

.....

FIELD FLAGS: CLS

CAT	FLD	RA	DEC	±	COUNT	±	NET	BKG	S/N	SIZE	RECO	R'	SRC	ID
#	#	(1950)	(1950)	"	RATE		CTS	CTS		COR			FLG	
3541	1L	15 56 15.8	27 22 38	31	0.324	0.016	988.5	679.5	19.9	3.7	0	1.1	Α	CLG



OPTICALLY BRIGHT, RADIO-QUIET QSO

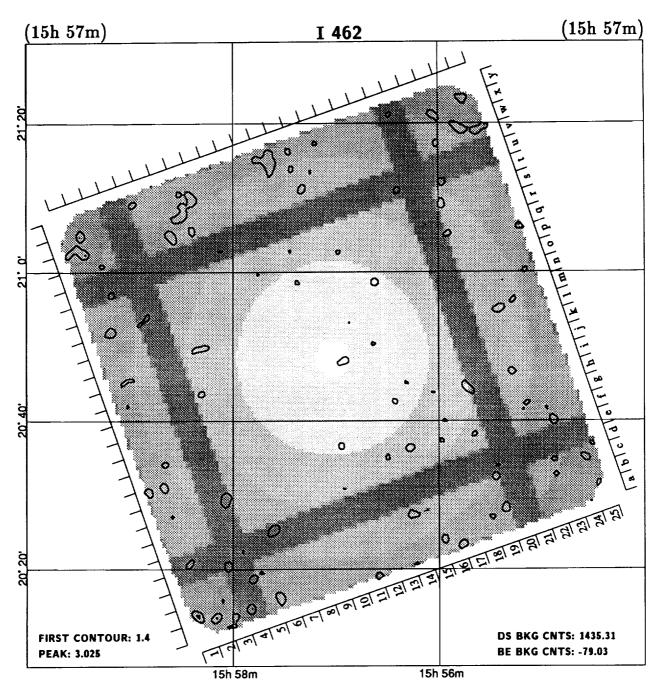
FIELD CENTER: $15^h 56^m 59.4^s$ $33^o 31' 46''$ (B1950) $15^h 58^m 55.1^s$ $33^o 23' 18''$ (J2000) ℓ : 53.57 b: 49.37

DATE: 1979/227 - 1979/227 LIVETIME: 4880.96

ROLL ANGLE: 75.7°

NH: 2.3E+20 REF/ID: FIELD FLAGS:

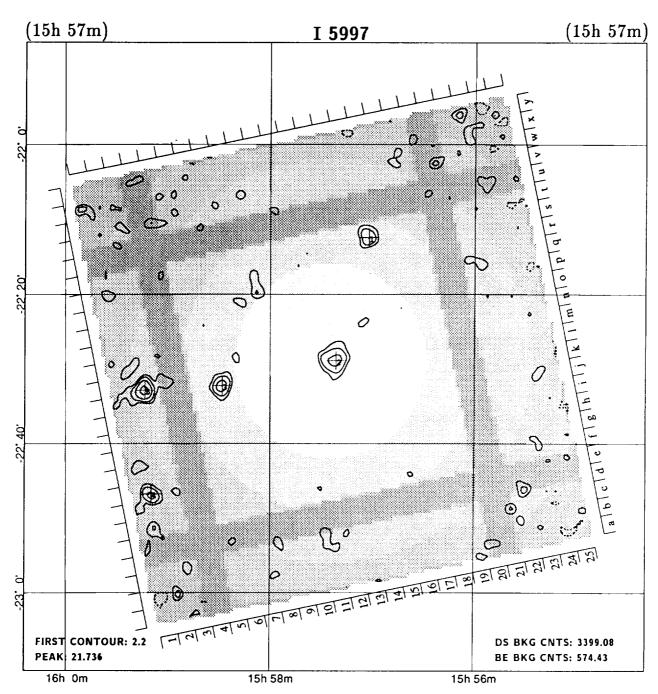
CAT FLD RA DEC \pm COUNT NET BKG S/N SIZE RECO R' SRC ID (1950)(1950) RATE # # CTS CTS COR FLG 3539 1 *0.0118 0.0027 15 55 32.4 33 13 20 53 24.1 6.9 4.3 1.0 25.8 603 Q 3544 2 15 56 59.7 33 32 03 0.0062 0.0016 37 22.4 13.6 3.7 8.0 0 0.4 Q 3551 3 15 58 30.0 33 22 03 50 *0.0333 0.0039 78.8 8.2 8.4 3.1 601 21.5 Н 3552 *0.0114 4 15 58 40.0 33 09 09 56 0.0031 18.5 805 6.5 3.7 1.0 31.1 н 3553 5 15 58 53.7 33 21 30 56 0.0112 0.0028 22.3 8.7 4.0 9.7 0 26.2 Н 3556 6 15 59 08.0 33 24 47 0.0121 0.0030 200 53 22.7 8.3 4.1 8.8 27.6 Α S



NGC 6027A-F ABNORMAL GALAXIES SURVEY

FIELD CENTER: $15^h 57^m 00.0^s 20^\circ 48' 59''$ (B1950) $15^h 59^m 11.9^s 20^\circ 40' 31''$ (J2000) ℓ : 34.86 b: 46.85

DATE: 1979/ 36 - 1979/ 36 LIVETIME: 1163.1s ROLL ANGLE: -109.0° NH: 3.9E+20 REF/ID: FIELD FLAGS:



Transition B Stars: DELTA SCO (B0.5 IV)

FIELD CENTER: 15^h57^m22.0³ -22⁰28'29" (B1950) 16^h00^m19.7³ -22⁰36'55" (J2000)

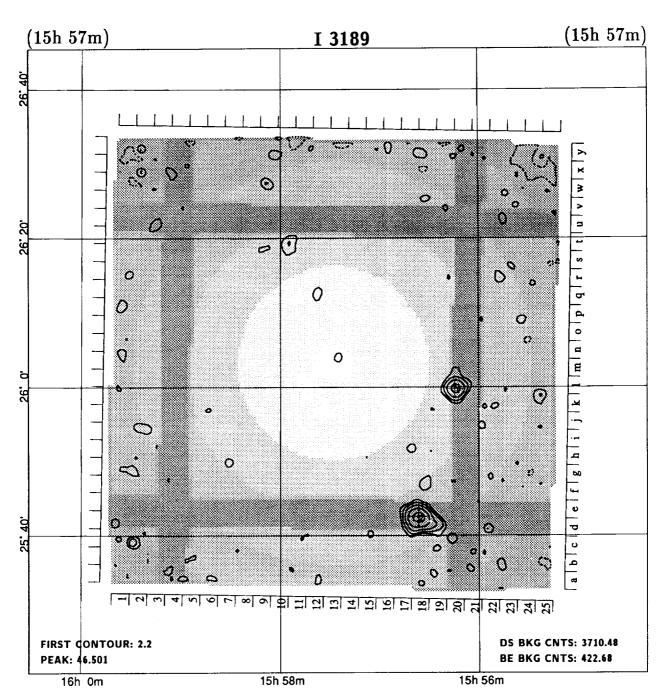
ℓ: 350.10 *b*: 22.50

DATE: 1980/ 47 - 1980/ 47 LIVETIME: 2754.4s

ROLL ANGLE: -101.6°

NH: 1.1E+21 REF/ID: FIELD FLAGS:

CAT	FLD	RA	DEC	±	COUNT	±	NET	BKG	S/N	SIZE	RECO	R'	SRC	ID
#	#	(1950)	(1950)	"	RATE		CTS	CTS		COR			FLG	
3545	1	15 57 02.0	-22 12 29	51	0.0175	0.0038	26.8	7.2	4.6	0.8	100	16.7	Н	
3547	2	15 57 21.2	-22 28 55	35	0.0246	0.0038	50.4	10.6	6.5	1.5	0	1.0	н	S
3550	3	15 58 28.2	-22 32 17	50	0.0241	0.0042	39.1	7.9	5.7	0.9	0	15.8	н	
3557	4	15 59 09.8	-22 46 44	55	0.0194	0.0052	18.6	6.4	3.7	0.9	0	30.7	н	
3558	5	15 59 13.3	-22 32 53	50	0.0389	0.0062	45.3	6.7	6.3	1.2	100	26.1	н	s



NOVA OR NOVA-LIKE OBJ.: T CRB

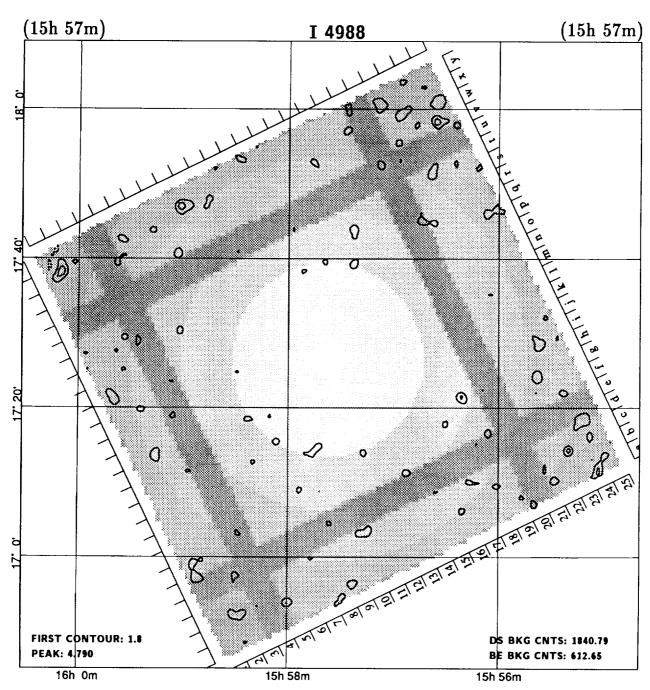
FIELD CENTER: $15^h 57^m 25.0^s$ $26^{\circ} 03' 35''$ (B1950) $15^h 59^m 30.6^s$ $25^{\circ} 55' 09''$ (J2000) ℓ : 42.37 ℓ : 48.16

LIVETIME: 3006.7s ROLL ANGLE: -88.9°

DATE: 1979/ 57 - 1979/ 57

NH: 4.5E+20 REF/ID: CV FIELD FLAGS:

CAT	FLD	RA	DEC	±	COUNT	±	NET	BKG	S/N	SIZE	RECO	R'	SRC	ID
#	#	(1950)	(1950)	"	RATE		CTS	CTS		COR			FLG	
3540	1	15 56 14.4	25 59 47	50	*0.0378	0.0050	64.0	7.0	7.6	1.0	906	16.3	Н	SY
3543	2	15 56 36.6	25 42 30	48	*0.0850	0.0080	115.8	4.2	10.6	1.3	1609	23.6		



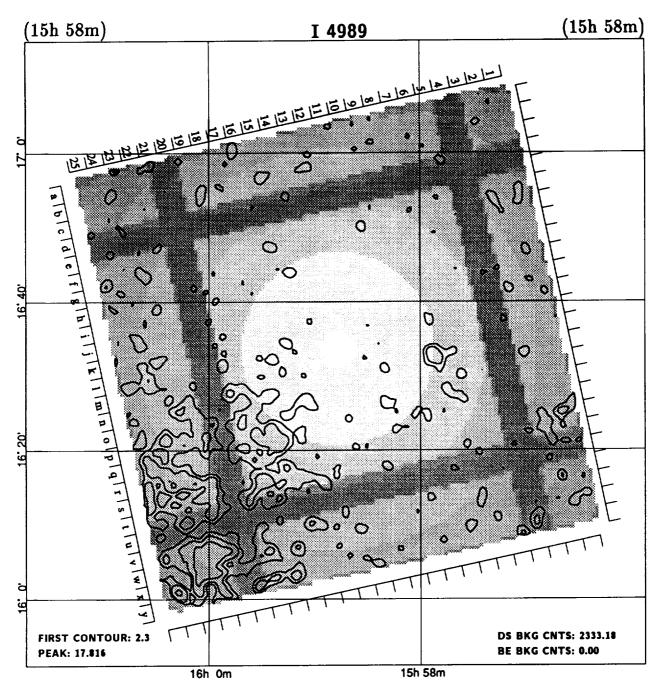
NPS BRIGHT SPOT #1

FIELD CENTER: 15h57m36.0s 17°26'59" (B1950) 15^h59^m51.7^s 17°18'34" (J2000)

ℓ: 30.35 b: 45.56

DATE: 1980/ 24 - 1980/ 24 LIVETIME: 1491.7s ROLL ANGLE: -116.1°

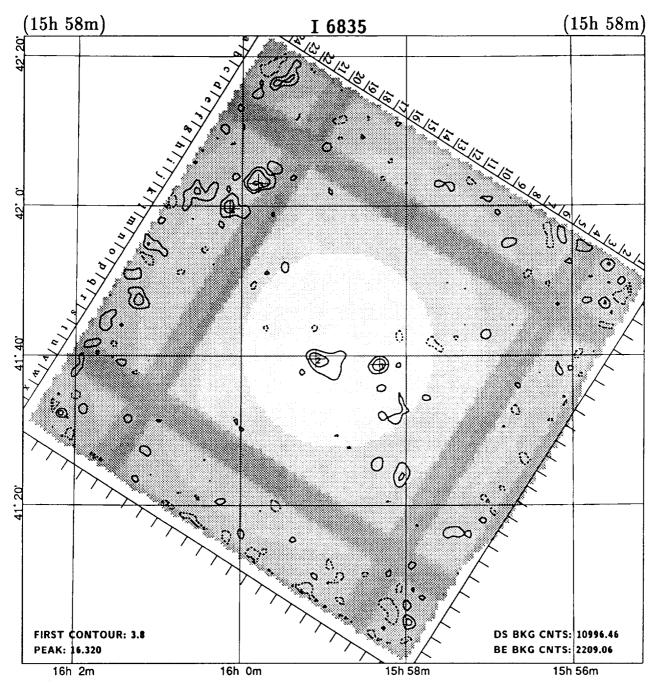
NH: 3.3E+20 REF/ID: FIELD FLAGS:



NPS BRIGHT SPOT #2

FIELD CENTER: $15^h58^m48.0^s$ $16^o32'59''$ (B1950) $16^h01^m04.6^s$ $16^o24'38''$ (J2000) ℓ : 29.32 b: 44.96

DATE: 1980/233 - 1980/233 LIVETIME: 1890.6s ROLL ANGLE: 77.9° NH: 3.3E+20 REF/ID: FIELD FLAGS: L

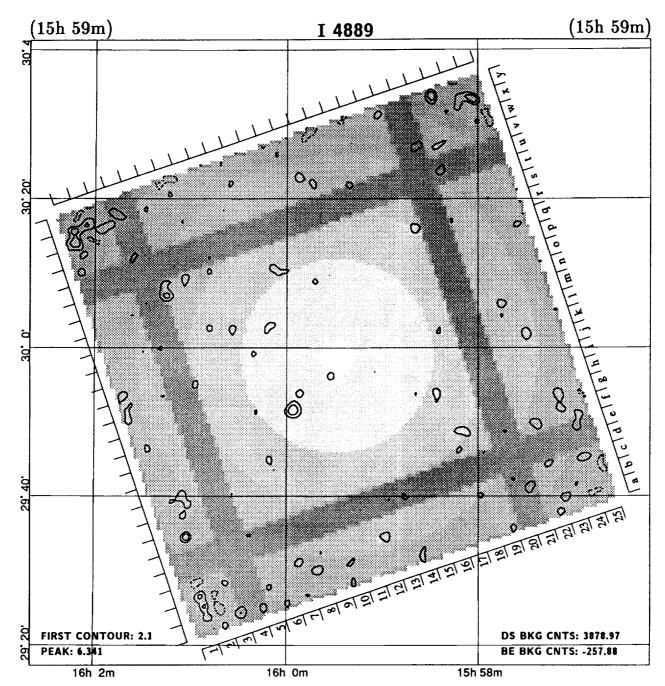


C1 1558+41,OBSERVATIONS OF VERY DISTANT CLUSTERS

FIELD CENTER: $15^h 58^m 53.2^s$ $41^o 40' 49''$ (B1950) $16^h 00^m 35.6^s$ $41^o 32' 27''$ (J2000) ℓ : 66.04 b: 48.96

DATE: 1980/277 - 1980/278 LIVETIME: 8910.76 ROLL ANGLE: 122.4° NH: 1.4E+20 REF/ID: FIELD FLAGS:

CAT	FLD	RA	DEC	±	COUNT	±	NET	BKG	S/N	SIZE	RECO	R'	SRC	ID
#	#	(1950)	(1950)	"	RATE		CTS	CTS		COR			FLG	
3549	1	15 58 19.1	41 38 51	41	0.0069	0.0014	43.5	35.5	4.9	0.7	0	6.3	Н	
3555	2	15 59 05.7	41 39 37	35	0.0063	0.0013	41.2	33.8	4.8	1.7	0	2.8	н	
3563	3	15 59 48.2	42 03 01	53	*0.0103	0.0020	39.8	17.2	5.3	1.5	501	24.3	н	ĺ
3566	4	16 00 09.0	41 59 38	56	0.0072	0.0018	28.8	24.2	4.0	1.1	0	24.0	Н	



STAR IOTA CRB (HD 143807),AP STARS

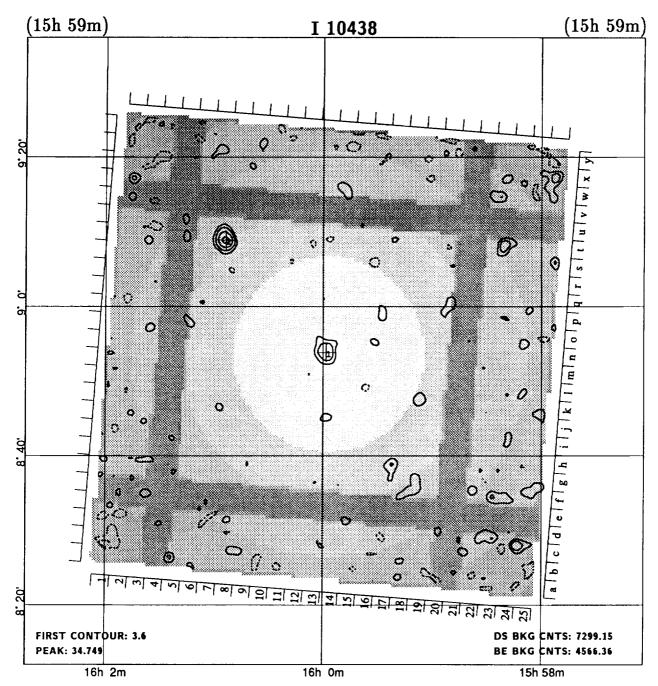
FIELD CENTER: 15^h59^m26.4^s 29°59'23" (B1950) 16^h01^m26.8^s 29°51'04" (J2000)

ℓ: 48.30 b: 48.46

DATE: 1980/ 25 - 1980/ 25 LIVETIME: 3143.26

ROLL ANGLE: -108.6°

NH: 2.9E+20 REF/ID: FIELD FLAGS:

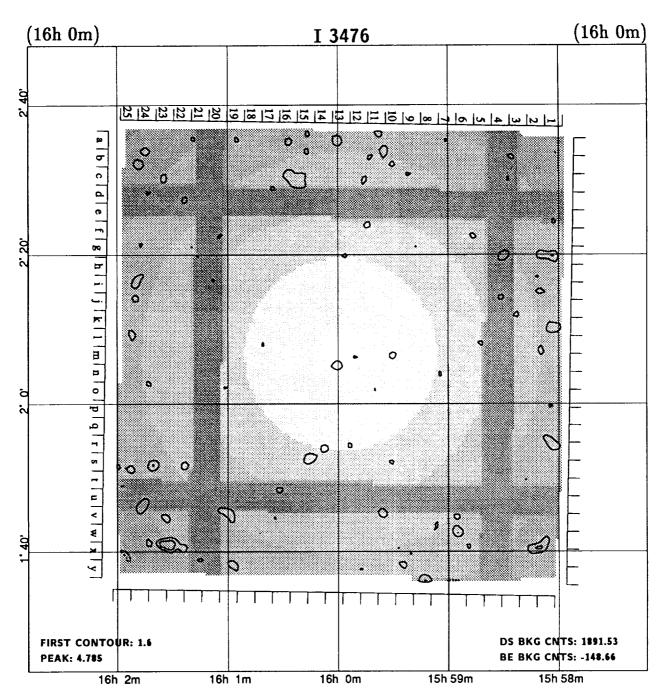


1559+08,OPTICALLY SELECTED QSOS

FIELD CENTER: $15^h 59^m 54.0^s$ $08^o 53' 59''$ (B1950) $16^h 02^m 18.7^s$ $08^o 45' 43''$ (J2000) ℓ : 20.02 b: 41.39

DATE: 1981/ 72 - 1981/ 72 LIVETIME: 5914.7s ROLL ANGLE: -85.6° NH: 3.8E+20 REF/ID: FIELD FLAGS: L

CAT	FLD	RA	DEC	±	COUNT	±	NET	BKG	S/N	SIZE	RECO	R'	SRC	ID
#	#	(1950)	(1950)	"	RATE		CTS	CTS		COR			FLG	
3564	1L	15 59 58.3	08 53 50	35	0.0104	0.0026	46.0	41.0	3.9	1.0	0	1.1		
3569	2L	16 00 54.0	09 08 52	48	0.0259	0.0039	76.1	21.9	6.5	0.9	0	21.1		



3C 327,BROAD AND NARROW-LINE RADIO GALAXIES

FIELD CENTER: 16^h00^m00.0^s 02°05'59" (B1950) 16^h02^m31.7^s 01°57'43" (J2000)

l: 12.49 b: 37.84

DATE: 1979/242 - 1979/242 LIVETIME: 1532.8s

ROLL ANGLE: 91.0°

NH: 6.3E+20 REF/ID: FIELD FLAGS:

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ly improved sensitivi	ity over previous x-ray	missions through t	he use of focusing			
optics, which simultaneously afforded greatly reduced background and produced true						
images. During its 2.5-yr mission, the Einstein X-Ray Telescope was pointed toward						
some 5,000 celestial	targets, most of which	n were detected, and	discovered several			
thousand additional "serendipitous" sources in the observed fields. This catalog						
contains contour diagrams and source data, obtained with the imaging proportional						
counter in the 0.16 to 3.5 keV energy band, and describes methods for recovering						
upper limits for any sky position within the observed images.						
The main catalog consists of six volumes (númbered 2 through 7) of right						
ascension ordered pages, each containing data for one observation. Along with the						
primary documentation describing how the catalog was constructed, volume 1 contains						
a complete source list results for merged fields, a reference system to published						
papers and data useful for calculating upper limits and fluxes. A machine readable						
version of the catalog is available as a set of three CD-ROM (Compact Disk-Read Only						
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